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MONTHLY STATISTICAL SUMMARY

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Vol. 58 FEBRUARY 1980 No. 2

Paper Industry Trends: Early 1980

Paper and paperboard production in January 1980 remained at the high levels established in 1979, holding close to practical capacity levels. On a seasonally adjusted basis, paper production matched its average 1979 level while paperboard production exceeded its average 1979 level by about 4%.

Comparisons of January 1980 production with year-ago levels, shown on the Industry Fact Sheet and on the table on page 3, must be used with caution inasmuch as the production rate in January 1979 was still affected by strikes at several paper and paperboard mills. Measured against the average 1979 levels, production of newsprint and other printing and writing papers is still in a rising trend. Newsprint production in January 1980 was about 11% over its 1979 average, reflecting the introduction of three new machines in the last half of 1979. The other printing and writing papers were about 3-½% over their 1979 average, with the gain concentrated in the uncoated free sheet and in total coated papers. January new orders for uncoated free sheet papers remained at the high levels established in the Spring of 1979, following conclusions of the strikes. New orders for both coated papers and uncoated groundwood papers moved well above their respective 1979 levels.

As noted in the January 1980 Monthly Statistical Summary, API is no longer collecting

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Continued from Page 1

weekly data on paperboard production by market categories, i.e., in terms of containerboard and boxboard grades, but continues to collect & publish weekly data on production of paperboard by furnish, i.e., unbleached kraft, semichemical, bleached kraft and recycled paperboard. API is also continuing to collect the market category data on a monthly basis. The data in the table on page 3 have been expanded to summarize this information.

The 1979 total production reported in the monthly system, which was 0.6% higher than the total based on the weekly data, has been incorporated in the 1979 data. The 1978-1979 gain in total paperboard production is now shown as 4.5%. Total production of paper and paperboard in 1979 is now estimated at 64,883,000 tons, 5.3% ahead of the 61,632,000 tons produced in 1978.

Total production of containerboard for domestic use in January 1980 was about 1.9% over its average 1979 level, compared to a 5% gain in shipments of corrugated shipping containers. Production of kraft linerboard for export was particularly strong; the January 1980 total of 175,000 tons compares with the 1979 average monthly level of 135,000 tons. Moreover, kraft linerboard exports in 1979 marked the highest total since 1972.

Compared to its average 1979 level, the January 1980 boxboard production rose 2.7%, with the gain concentrated in the bleached paperboard grades. This may mark a turnaround situation, in that bleached paperboard production in 1979 was only 1.1% ahead of its 1978 total. Production of bleached paperboard for export was also strong, with the January 1980 level about 8% above its average 1979 level.

Imports and Exports

Imports of paper, paperboard and products in December 1979 held close to the level of the preceding months, and in fact, just about matched the 1979 average level. Total imports in 1979 of paper, paperboard and products amounted to 9.1 million tons, almost equal to the 1978 figure.

Newsprint constitutes, by far, the largest single component of these imports. Newsprint imports in 1979 declined by 3-½%, reflecting in part, supply problems in Canada. Imports of uncoated groundwood papers rose 54% over the year-ago total, reflecting the increases in demand for such uses as newspaper advertising inserts and periodicals.

Continued on Page 11

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

	YEAR		OCT. 1979	NOV. 1979	DEC. 1979	JAN. 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
	1978	1979						
PAPER					R	P		
Newsprint - Production	3768	4062	368	364	339	376	4507	19.1
- Shipments	3779	4066	368	361	347	369	4424	16.9
Printing & Writing	14545	15461	1383	1304	1240	1333	15994	8.1
Groundwood Paper - Shipments	1309	1474	133	128	118	119	1433	5.0
- New Orders	1367	1470	139	104	107	155	1865	19.1
- Unfilled Orders	179	181	207	190	181	193	193	7.8
Coated Paper - Shipments	4448	4510	406	381	366	397	4759	9.1
- New Orders	4428	4521	378	401	366	451	5412	15.1
- Unfilled Orders	404	434	408	442	434	449	449	11.5
Unctd Free Sheet - Shipments	7225	7868	708	667	635	681	8172	9.4
- New Orders	7542	7797	678	637	595	696	8347	6.0
- Unfilled Orders	754	679	730	749	679	670	670	-9.3
Thin Paper - Production *	354	377	31	32	29	31	372	1.0
Cotton Fiber Paper - Shipments	114	125	11	11	10	12	142	15.7
Bleached Bristols -Production*	1095	1107	95	86	83	93	1116	0.4
Tissue Paper - Production	4215	4523	397	372	335	370	4440	3.1
Total Packaging & Other Paper	5314	5748	507	498	450	468	5615	3.0
Unbl. Kraft Paper - Shipments	3884	3963	348	333	305	308	3695	-2.9
Other Paper - Production * #	1430	1785	160	165	145	160	1920	16.7
TOTAL PAPER-Production-Unadj.	27842	29794	2656	2537	2364	2546	30556	7.8
-Production-S.A.			2529	2540	2485	2489	29d69	7.8
PAPERBOARD - PRODUCTION							##	
Solid Wood Pulp Furnish	22790	23947	2137	2047	1774	2087	25043	8.1
Unbl. Kraft Linerboard - Total	13228	14076	1280	1209	1064	1212	14546	7.1
Production for Export	1466	1621	142	160	120	175	2102	43.5
Other Unbl. Kraft Paperboard	1144	1127	94	101	58	105	1258	1.1
Semichemical Paperboard	4439	4721	414	395	358	424	5082	13.0
Production for Export	119	92	7	7	4	11	127	33.3
Solid Bleached Paperboard	3979	4023	350	343	295	346	4157	8.2
Production for Export	430	466	41	40	32	42	503	41.1
Recycled Paperboard	7485	7683	684	667	572	652	7824	0.7
Production for Export	22	22	1	2	3	2	26	43.0
TOTAL PAPERBOARD-Prod.-Unadj.	30275	31631	2821	2714	2346	2739	32867	6.2
- Containerboard Prod.(Dom. Use)	17908	19031	1718	1614	1460	1616	19387	5.6
- Boxboard Production (Dom. Use)###	6505	5897	514	488	428	505	6059	2.4
- All Other P'bd Prod.(Dom. Use)###	3825	4503	398	403	299	389	4664	-0.8
- Total Paperbd Prod. for Export	2037	2200	192	210	15[illegible]	230	2758	42.6
TOTAL PAPERBOARD PROD. - S.A.			2632	2695	2773	2739	32867	6.2
WET MACHINE BOARD *	142	141	15	14	13	15	174	64.8
BUILDING PAPERS *	1956	1891	168	148	135	140	1680	-8.9
INSULATING BOARD *	1417	1427	131	109	100	100	1200	-16.2
TOTAL ALL GRADES - Unadjusted	61632	64883	5791	5522	4957	5540	66476	6.1
- Production - S.A.			5456	5511	5541	5507	66081	6.0
HARD PRESSED BD. [not in total]*	2180	2141	201	165	155	165	1980	-0.9

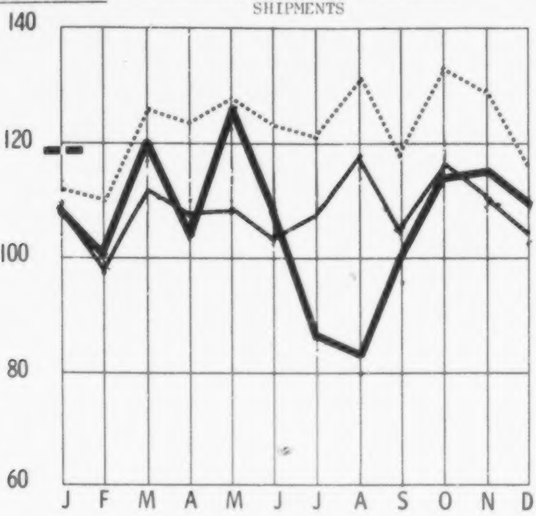
* Census Data - Production. Last two months estimated.	S.A. Seasonally Adjusted
# Production excludes API bleached kraft envelope.	P Preliminary
## Includes revisions not available monthly.	R Revised

Data on unbleached kraft folding boxboard for 1979 and 1980 included in All Other.

THOUSANDS OF TONS

GROUNDWOOD PAPER, UNCOATED

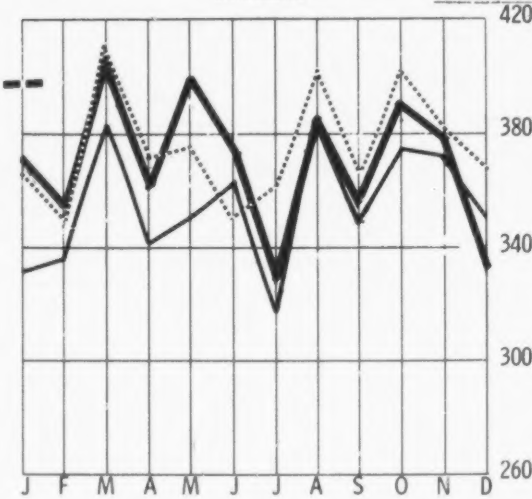
SHIPMENTS



COATED PAPER

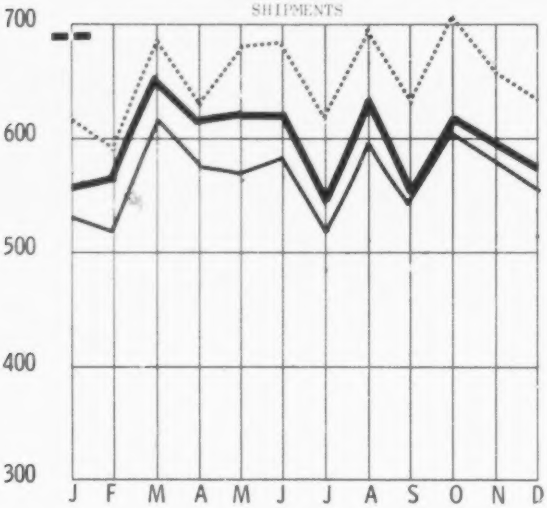
SHIPMENTS

THOUSANDS OF TONS



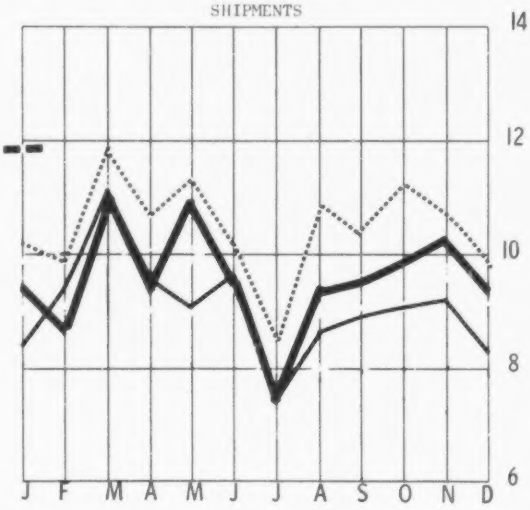
UNCOATED FREE SHEET PAPERS

SHIPMENTS



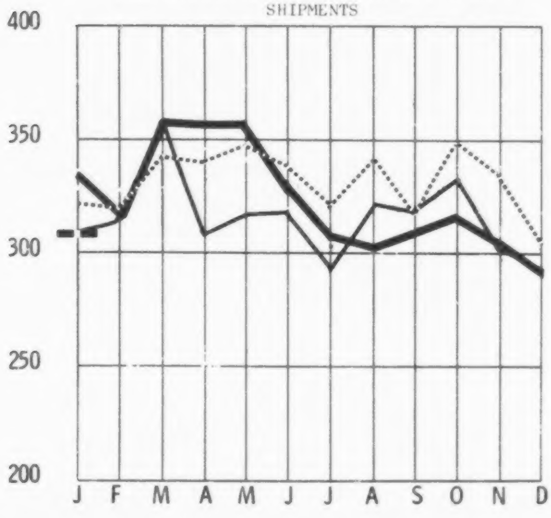
COTTON FIBER PAPER

SHIPMENTS



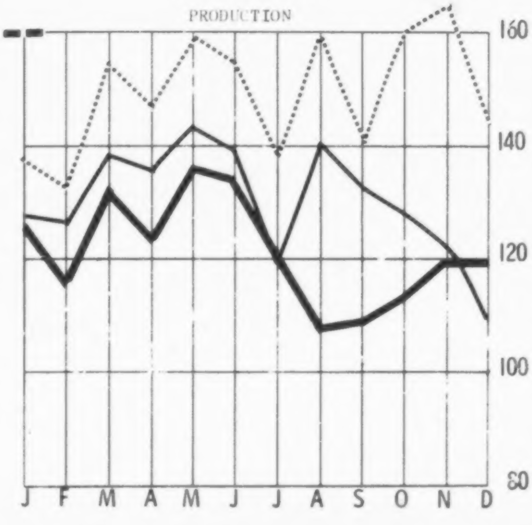
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1977 —— 1978 ▬▬ 1979 ········ 1980 ▬ ▬ ▬

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 1977	YEAR 1978	SEPT 1979	OCT. 1979	NOV. 1979	DEC. 1979	Annual Rate Y-T-D 1979	% Change from same Period Last Year
TOTAL WOOD PULP (1)					R	P		
Total Wood Pulp - Production	46652	47228	4045	4419	4255	3874	49715	5.3
- Imports	3864	4025	323	358	373	347	4324	7.4
- Exports	2640	2599	275	265	255	290	2935	12.9
- New Supply	47877	48653	4093	4512	4373	3931	51104	5.0
Dissolving Pulp - Production	1467	1411	109	148	130	118	1497	6.1
- Imports	181	189	24	9	20	22	193	2.4
- Exports	796	758	63	64	67	75	764	0.9
- New Supply	852	842	69	93	83	64	926	9.9
Paper Grades Chemical Pulp - Production	36897	37893	3229	3527	3410	3092	39766	4.9
- Imports	3481	3627	285	333	340	311	3930	8.3
- Exports	1763	1780	203	193	180	209	2100	18.0
- New Supply	38615	39740	3311	3667	3570	3194	41595	4.7
Groundwood and Thermo-Mech. - Production	4403	4141	363	382	371	355	4385	5.9
- Imports	203	208	14	16	13	14	201	-3.4
- Exports	81	62	8	8	8	6	70	12.9
- New Supply	4525	4287	369	389	376	364	4516	5.3
Semi-Chemical - Production	3886	3783	345	363	344	310	4068	7.5
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp ------	
- New Supply	3886	3783	345	363	344	310	4068	7.5
MARKET WOOD PULP								
Total Market Wood Pulp - Production	4819	5165	482	532	509	485	5723	10.8
- Imports	2684	2816	227	251	265	233	3046	8.2
- Exports	2359	2480	287	231	249	262	2784	12.3
- New Supply	5144	5501	421	552	525	456	5985	8.8
Dissolving Pulp - Production	1465	1406	108	147	130	117	1497	6.4
- Imports	256	291	28	13	25	16	306	5.0
- Exports	798	824	87	63	77	86	869	5.4
- New Supply	923	873	49	97	78	48	934	6.9
Paper Grades Chemical Pulp - Production	3263	3675	367	378	372	362	4163	13.3
- Imports	2394	2495	198	237	240	217	2734	9.6
- Exports	1515	1613	198	164	168	173	1870	15.9
- New Supply	4143	4557	368	452	444	405	5027	10.3
Groundwood Pulp and All Other - Production	90	83	7	6	7	6	63	-24.3
- Imports	35	26	0	2	0	0	7	-74.6
- Exports	46	42	2	4	4	4	46	8.6
- New Supply	80	67	5	3	3	2	24	-64.5

(1) Prodctn excludes defibrated, explodeo & screenings-(000 tons): 1977 - 3218; 1978 - 3155;A.R.Y-T-D'79 - 3130
SOURCES: Total Wood Pulp Imports & Exports - Department of Commerce. Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API.

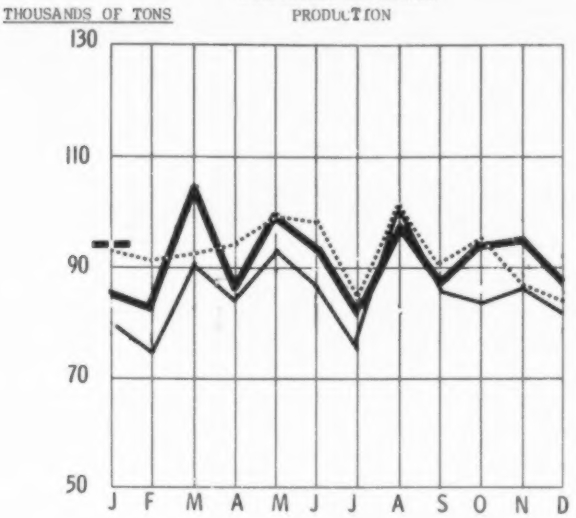
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & BD. MILLS					R	P		
Total	62399	63776	5427	5900	5734	5157	66703	4.6
Total Wood Pulp (2) A	47596	48350	4129	4462	4286	3935	50658	4.8
Market Wood Pulp A	4216	4774	395	441	414	360	4993	4.6
Waste Paper (3) A	14058	14760	1246	1385	1397	1173	15400	4.3
Rags, Straw & Other C, E	745	666	52	54	51	49	645	-3.2
INVENTORIES								
Wood Pulp at Pulp Mills A	193	130	114	112	117	107	107	-17.4
Market Pulp at Pulp Mills A	277	187	146	152	158	132	132	-29.2
Mkt Pulp at Ppr.& Bd. Mills CE	404	435	386	390	401	410	410	-5.8
Waste Ppr.at Ppr.&Bd. Mills CE	728	740	633	642	632	665	665	-10.1
Rags, Straw and Other at Paper and Board Mills C, E	67	66	62	61	61	60	60	-9.1
Mkt Wood Pulp Days of Supply A	55	44	37	36	38	37	37	-17.2
Wood Pulp Consumption at at Non-Paper Mills C, E	876	884	70	79	73	73	906	2.5

A - Pulp & Raw Materials Group, API; C - Bureau of the Census; E - Most Recent Month Estimated by API
P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons
(2) Excludes consumption of defibrated & exploded pulp for hard pressed bd.: 1977 - 1,688,000; 1978 - 1,655,000 ton
(3) Census Waste Paper Consumpt.(000 tons): 1977 - 12192; 1978 - 13185; 1979(Annual Rate Jan-Oct) 13108

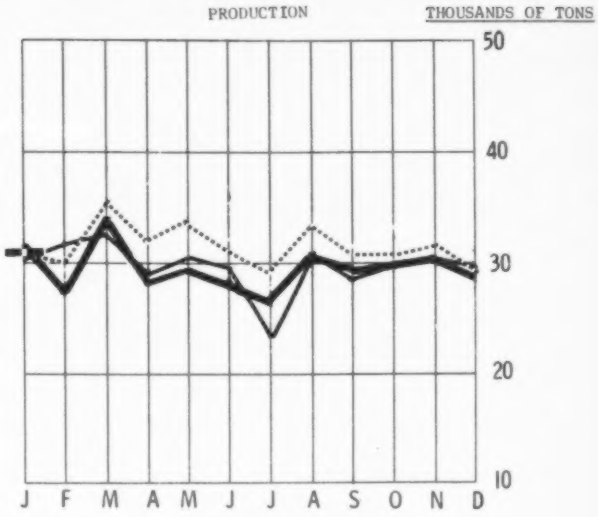
BLEACHED BRISTOLS

PRODUCTION



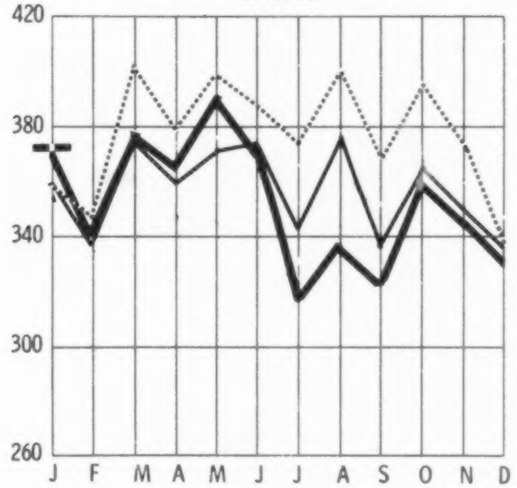
THIN PAPERS

PRODUCTION



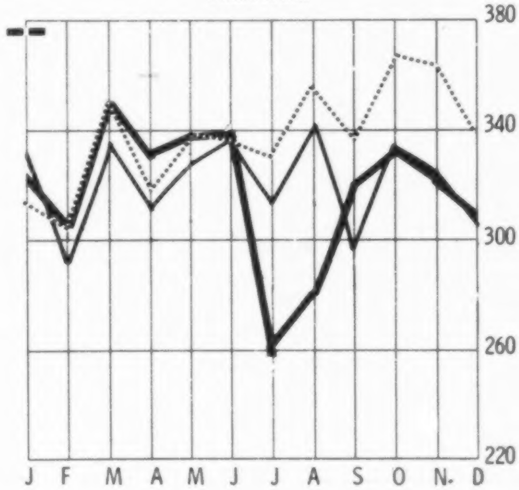
TISSUE PAPER

PRODUCTION



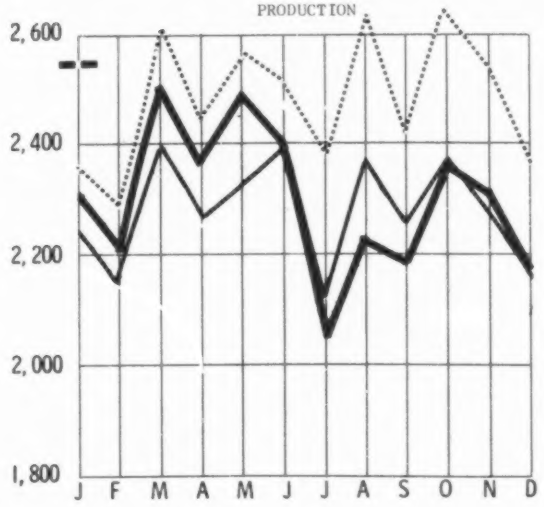
NEWSPRINT

PRODUCTION



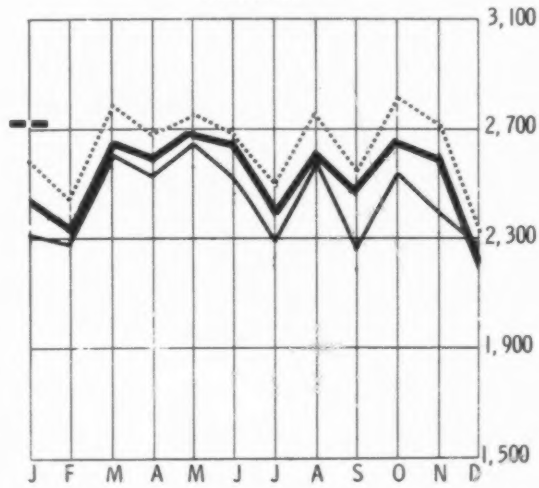
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1977 —— 1978 ▬▬ 1979 ······ 1980 ▬ ▬ ▬

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic foot) Cords)

		YEAR 1977	YEAR 1978	SEPT 1979	OCT. 1979	NOV. 1979	DEC. 1979	Annual Rate Y-T-D 1979	% Change from same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	74034	77025	6465	7505	6557	6479	78625	2.1
	- Total Consumpt.	74807	77290	6448	7103	6723	6057	79566	2.9
	- Residues *	30112	30369	2444	2915	2317	2150	30015	-1.2
	- Inventories	6187	6244	4943	5320	5110	5506	5506	-11.8
So. Atlantic	- Total Receipts	23727	25353	2080	2393	2202	2103	26126	3.0
	- Total Consumpt	23820	25204	2194	2385	2240	1934	26523	5.2
	- Residues *	7880	8513	698	807	718	673	8858	4.1
	- Inventories	1003	1191	894	911	880	1052	1052	-11.7
Northeast	- Total Receipts	5954	6664	611	649	662	618	7461	12.0
	- Total Consumpt	6250	6607	554	661	681	595	7584	14.8
	- Residues *	1426	1662	129	143	147	113	1670	0.5
	- Inventories	584	770	684	680	654	674	674	-12.5
South Central	- Total Receipts	24367	25572	2157	2568	2178	2225	26654	4.2
	- Total Consumpt	24394	25678	2096	2308	2154	1999	26432	2.9
	- Residues *	8415	8418	673	787	655	616	8669	3.0
	- Inventories	1279	1194	979	1243	1281	1472	1472	23.3
North Central	- Total Receipts	4996	5291	480	518	452	569	5630	6.4
	- Total Consumpt	5261	5330	438	448	474	430	5535	3.8
	- Residues *	1430	1456	126	142	138	117	1501	3.1
	- Inventories	1029	968	832	885	857	993	993	2.6
West	- Total Receipts	14990	14145	1137	1377	1063	964	12754	-9.8
	- Total Consumpt	15082	14471	1166	1301	1174	1099	13492	-6.8
	- Residues *	10961	10320	818	1036	659	631	9317	-9.7
	- Inventories	2292	2121	1554	1601	1438	1315	1315	-38.0

* - Consumption of Residues in Cord Equivalents.
SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 1978 Tons	YEAR 1978 $000	NOV. 1979 Tons	NOV. 1979 $000	DEC. 1979 Tons	DEC. 1979 $000	Annual Rate Y-T-D 1979	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	267517	11155	16647	704	16019	678	206050	-23.0
Pulpwood Chips	1817114	34737	137231	2838	105429	2352	1527734	-15.9
Wood Pulp, Total	3847590	1041860	348591	128864	340030	125530	4143944	7.7
Waste Fibrous Materials, Total	99872	13581	8374	1296	3083	427	88344	-11.5
Paper,Paperboard&Products,Total	8666058	2496771	735815	258585	723425	252471	8501965	-1.9
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd. *	8625089	2454161	731663	253800	719940	247556	8457803	-1.9
Paper, Total	8209265	2382065	699763	246728	684269	239975	8015574	-2.4
Newsprint	7477824	2108925	618252	210180	622835	211151	7077209	-5.4
Printing,Writing & Rel.Pap.	592897	215790	71737	31397	49358	22122	799355	34.8
Pack. & Ind. Conv. Paper	126672	50896	8615	4269	10746	5827	118815	-6.2
Special Industrial Paper	556	595	352	444	188	260	3157	467.3
Tissue Paper	11315	5860	808	438	1142	614	17039	50.6
Paperboard, Total	97162	16488	7679	1896	9705	2537	80636	-17.0
Wet Machine Board	1437	758	35	19	184	91	1522	5.9
Construction Paper and Bd. *	317225	54849	24187	5158	25781	4952	360071	13.5
Convtd Paper&Paperbd Products	40970	42611	4151	4786	3486	4915	44163	7.8

EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic feet)	216233	8823	16611	814	12201	630	263367	21.8
Pulpwood Chips	89406	4695	3404	82	1021	32	87790	-1.8
Wood Pulp, Total	98813	32570	14825	5707	8834	3476	136641	38.3
Cotton Pulp & Other Pulp	12291	4437	688	419	586	217	7921	-35.6
Waste Paper	341671	33467	37143	4098	44313	3812	478477	40.0
Paper,Paperboard&Products,Total	667324	356156	55165	31583	44540	24684	624928	-6.4
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board *	469501	232442	39235	21302	34505	17256	454029	-3.3
Paper, Total	196765	143884	16586	12558	14812	10238	181451	-7.8
Newsprint	2368	1794	177	135	110	94	2803	18.4
Printing,Writing & Rel.Pap.	115565	80005	8185	6089	8580	5629	108290	-6.3
Pack. & Ind. Conv. Paper	28732	13338	1084	1057	1060	761	16084	-44.0
Special Industrial Paper	40579	41156	6725	4887	4795	3482	46773	15.3
Tissue	9522	7592	415	390	267	272	7502	-21.2
Paperboard, Total	220964	70738	19834	7430	17056	5880	230904	4.5
Wet Machine Board	4906	2446	288	184	351	195	5262	7.3
Construction Pap. & Bd. E *	46866	15374	2526	1129	2287	944	36411	-22.3
Convtd Paper&Paperbd Products	197823	123714	15930	10281	10035	7428	170900	-13.6

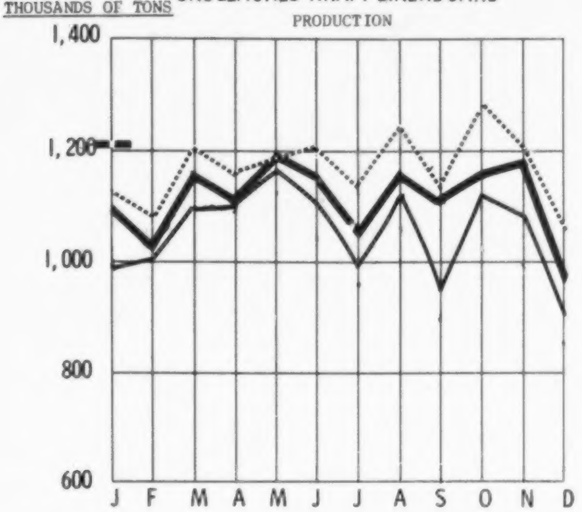
* - Hard Pressed Board (not in total)

Imports of Hard Pressed Bd.	22803	3622	3895	706	2521	449	29771	30.6
Exports of Hard Pressed Bd.	18926	5216	1075	371	1028	378	20535	8.5

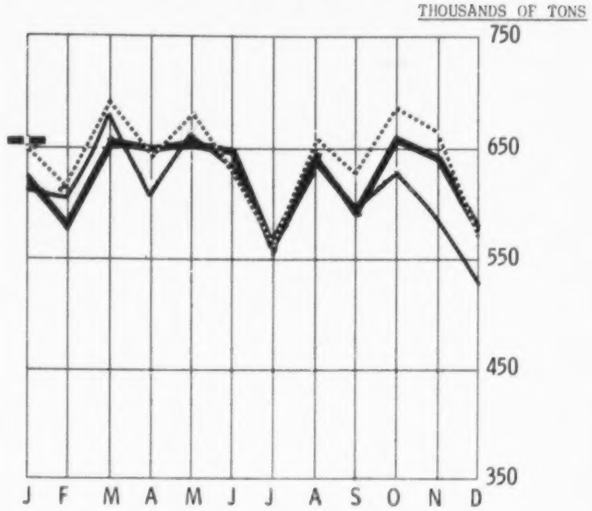
SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

UNBLEACHED KRAFT LINERBOARD

PRODUCTION

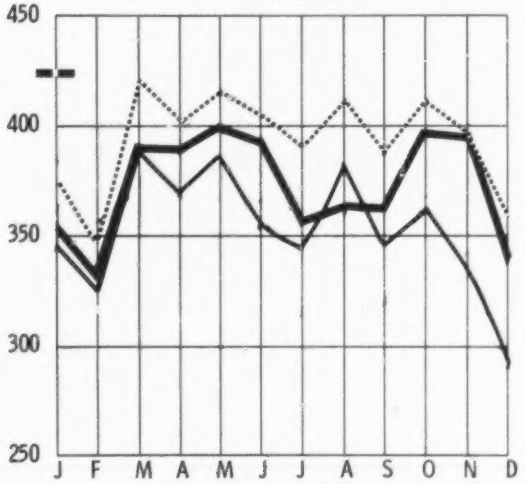


RECYCLED PAPERBOARD



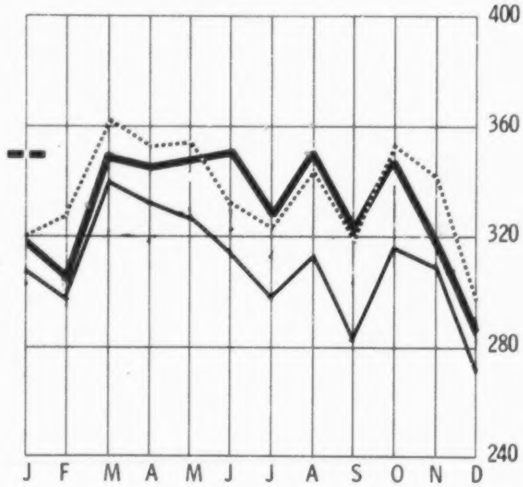
SEMI-CHEMICAL PAPERBOARD

PRODUCTION



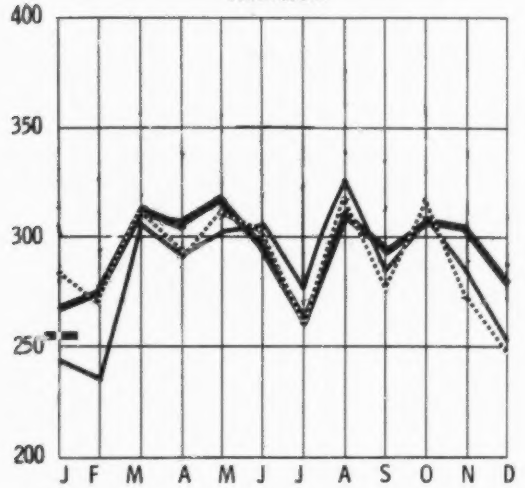
SOLID BLEACHED PAPERBOARD

PRODUCTION



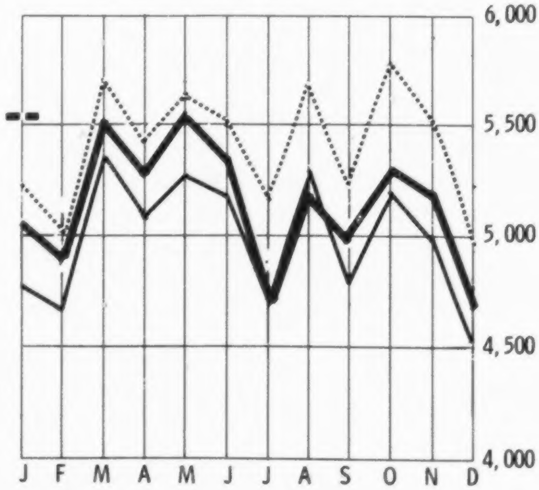
WET MACHINE BOARD AND BUILDING PAPER AND BOARD

PRODUCTION



TOTAL PAPER AND BOARD

PRODUCTION



1977 ——— 1978 ━━━ 1979 ········ 1980 ▬ ▬ ▬

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1978 Tons	YEAR 1978 $000	NOV. 1979 Tons	NOV. 1979 $000	DEC. 1979 Tons	DEC. 1979 $000	(1) Annual Rate Y-T-D 1979	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	270662	11481	16647	704	16019	678	206074	-23.9
Pulpwood Chips	1819169	34864	137231	2838	105429	2352	1574763	-13.4
Total All Imports	13267526	3926572	1169601	433503	1117020	414524	13554749	2.2
Wood Pulp, Total	4024560	1086438	373119	136904	347070	127965	4324033	7.4
Waste Paper	69440	7253	7426	1089	1985	176	62310	-10.3
Other Fibrous Materials	56093	16854	2486	938	1877	874	43640	-22.2
Paper,Paperbd&Products,Total	9117433	2816028	786569	294572	766089	285508	9124767	0.1
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	9024340	2640421	777778	273144	758851	266523	9028643	0.0
Paper, Total	8591929	2562762	743630	265491	720535	258443	8561213	-0.4
Newsprint	7483720	2111648	635558	216843	635659	216690	7224195	-3.5
Printing & Writing	958157	385371	97517	42619	72085	34303	1176253	22.8
Uncoated Groundwood	521602	177010	72582	27419	47041	18925	804598	54.3
Uncoated Book	203204	78744	8868	4733	8924	4740	142674	-29.8
Coated Print.& Impreg. Pap	213658	109204	11387	6742	12403	7560	188846	-11.6
Bristols	618	427	76	51	88	66	2247	263.7
Writing and Similar Paper	11748	14284	3252	2634	2040	1812	22964	95.5
Thin (except Cigarette)	7327	5703	1351	1040	1588	1199	14924	103.7
Total Pkg & Other Paper	138132	59377	9747	5592	11649	6836	143452	3.9
Unbleached Kraft Paper	64623	19296	4164	1625	4321	1718	66816	3.4
Other Pkg. & Indust. Paper	73509	40081	5584	3967	7328	5118	76636	4.3
Tissue	11920	6366	808	438	1142	615	17312	45.2
Paperboard, Total	100102	18283	7750	1967	9772	2604	82203	-17.9
Test or Containerboard	31860	5185	3069	770	5496	1437	25725	-19.3
Semi-Chemical Corrugating	48027	7412	2278	415	1656	313	33494	-30.3
Other Paperboard	20215	5685	2403	782	2619	854	22984	13.7
Wet Machine Board	2717	1497	118	99	232	142	2345	-13.7
Construction Paper & Bd. *	329593	57879	26281	5587	28314	5334	382883	16.2
Building Paper	271870	47017	21790	4604	24049	4326	330147	21.4
Insulating Board	25392	4997	1824	375	1132	263	21682	-14.6
Other Building Board	32331	5865	2667	608	3133	746	31054	-3.9
Convtd Paper&Paperbd Products	93093	175607	8791	21428	7237	18985	96124	3.3
Paper Products, Total	86791	164651	8348	20568	6784	17987	90317	4.1
Paperboard Products, Total	6302	10956	443	860	453	998	5807	-7.9
Notes								
Other: No Weight Avail. ($000)		78967		7094		6245	81899	3.7
Total Imports Incl. Other($000)		4005539		440597		420769	4775506	19.2

EXPORTS

	YEAR 1978 Tons	YEAR 1978 $000	NOV. 1979 Tons	NOV. 1979 $000	DEC. 1979 Tons	DEC. 1979 $000	(1) Annual Rate Y-T-D 1979	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cu. ft.)	218270	8960	16611	814	12201	630	263721	20.8
Pulpwood Chips	3617574	156779	429312	20147	396600	17567	4498674	24.4
Total All Exports	7659628	2571426	781524	300570	868700	335516	8971542	17.1
Wood Pulp,Total	2598952	817102	255453	101273	289972	119547	2934818	12.9
Cotton Pulp and Other Pulp	88481	47987	10285	5837	13088	7944	131444	48.6
Waste and Old Paper	1599449	145884	205646	24696	230958	26434	2233246	39.6
Paper, Paperbd&Products, Total	3372746	1560452	310140	168763	334682	181591	3672034	8.9
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	2895732	1108079	260134	116275	285555	127955	3109390	7.4
Paper, Total	542675	415574	52457	44054	60022	47762	575936	6.1
Newsprint	82454	29947	10796	5090	9436	4706	71456	-13.3
Printing & Writing	266096	208801	19319	18634	24680	20933	274609	3.2
Uncoated Groundwood	58109	37154	5691	4943	6758	4871	80392	38.3
Clay Coated Paper	73592	54358	5693	4485	6225	4825	73521	-0.1
Uncoated Free Sheet	84896	66185	4496	4852	7163	6789	68159	-19.7
Other Printing & Writing	49500	51103	3440	4354	4534	4448	52537	6.1
Total Pkg. & Other Paper	172995	159013	20639	18551	23320	19710	201966	16.7
Unbleached Kraft	45442	17440	7495	3568	11086	4424	63695	40.2
Other Pkg. & Indust. Paper	127553	141573	13144	14983	12234	15287	138271	8.4
Tissue	21130	17814	1703	1779	2586	2413	27905	32.1
Paperboard, Total	2281653	662216	202954	69761	220971	77758	2471843	8.3
Solid Wood Pulp	2078118	576605	188083	63320	208694	72110	2296032	10.5
Total Linerboard	1539510	344110	126238	35130	153729	45491	1644901	6.8
Bleached Kraft Linerboard	194421	50671	5523	1916	19852	5930	179995	-7.4
Unbleached Kraft Linerbd	1345089	293439	120716	33215	133877	39560	1464906	8.9
Other Unbleached Kraft	65833	22330	11734	3913	9394	3407	100301	52.4
Other Bleached Kraft	440724	204423	46840	23288	44884	22876	533472	21.0
Semi-Chemical Corrugating	32051	5742	3271	988	687	336	17358	-45.8
Recycled Paperboard	203535	85611	14872	6440	12277	5648	175811	-13.6
Wet Machine Board	7554	4805	491	414	535	413	7371	-2.4
Construction Paper & Bd. *	63850	25485	4232	2047	4027	2024	54241	-15.0
Building Paper	37166	13220	2654	1219	2718	1299	33619	-9.5
Insulating Board E	26684	12265	1579	828	1309	725	20623	-22.7
Convtd Paper&Paperbd Products	477014	452373	50005	52488	49127	53636	562643	18.0
Paper Products, Total	274884	326728	30761	39166	26554	37736	332407	20.9
Paperboard Products, Total	202130	125645	19244	13322	22573	15899	230237	13.9
Notes								
Other: No Weight Avail. ($000)		7523		761		927	8964	19.2
Total Exports Incl. Other($000)		2578949		301331		336443	3357995	30.2

* Hard Pressed Board (not in total)

	YEAR 1978 Tons	YEAR 1978 $000	NOV. 1979 Tons	NOV. 1979 $000	DEC. 1979 Tons	DEC. 1979 $000	(1) Annual Rate Y-T-D 1979	% Change from same Period Last Year
Imports of Hard Pressed Board	295729	40483	20880	3283	21540	2946	260775	-11.8
Exports of Hard Pressed Board	25571	8541	1617	673	1700	703	32030	25.3

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PAPER AND PAPERBOARD PRODUCTION

CENSUS DATA

(Thousands of Tons)

	YEAR 1977	YEAR 1978	AUG. 1979	SEPT 1979	OCT. 1979	NOV. 1979	Annual Rate Y-T-D 1979	% Change from same Period Last Year
PAPER					R	P		
Newsprint	3525	3535	342	299	365	356	3795	6.7
Uncoated Groundwood Papers	1578	1525	141	133	154	140	1677	9.5
Coated Papers	4189	4514	419	373	415	403	4680	3.3
Uncoated Free Sheet (1)	6914	7358	647	602	680	646	7521	1.6
Cotton Fiber Paper (1)	118	119	11	10	11	11	128	7.5
Thin Papers	362	354	33	31	31	32	380	7.0
Bleached Bristols	1034	1094	102	92	95	86	1117	1.7
Tissue Paper	4262	3957	385	343	392	360	4350	9.2
Unbleached Kraft Packaging & Industrial Conv. Papers(1)	3980	3887	342	327	359	363	3957	0.4
Other Paper (1)	1529	1385	158	141	160	165	1789	28.4
TOTAL PAPER GRADES	27491	27729	2579	2352	2661	2561	29394	5.3
PAPERBOARD								
Solid Wood Pulp Furnish	21689	21536	2006	1816	2030	1930	22934	5.6
Unbleached Kraft Linerboard	12880	13127	1205	1076	1226	1154	13788	4.0
Other Unbl. Kraft Paperboard	820	880	89	76	80	90	1039	18.8
Bleached Kraft Paperboard	3851	3604	357	327	358	355	3958	8.7
Semi-Chemical Paperboard	4139	3924	354	337	366	331	4148	5.1
Recycled Paperboard	7036	7187	616	592	668	612	7237	-0.2
TOTAL PAPERBOARD GRADES	28725	28723	2622	2408	2698	2542	30171	4.2
WET MACHINE BOARD	128	142	13	13	15	14	140	-1.7
CONSTR. PAPER & INSUL. BOARD	3286	3374	304	264	299	256	3363	-0.9
TOTAL ALL GRADES [Excl. H.P.B.]*	59630	59967	5518	5037	5674	5374	63068	4.4

PRODUCER PRICE INDEXES

1967 = 100

	1978	1979	OCT.	NOV.	DEC.	JAN.		
Pulp, Paper and Products	195.6	218.9	227.2	229.3	231.0	237.4	237.4	14.7
Pulp, Paper & Products, except Waste Paper #	195.6	219.1	227.5	229.5	231.2	237.6	237.6	14.8
Total Wood Pulp	266.5	314.8	339.4	339.9	339.9	358.8	358.8	23.2
Total Paper	206.1	229.7	239.0	242.1	243.0	245.5	245.5	12.7
Total Paper, exc. Newsprint	199.4	222.9	231.3	234.5	234.7	238.0	238.0	11.8
Newsprint	226.3	249.9	262.1	265.1	268.2	268.2	268.2	14.8
Total Paperboard	179.6	202.1	211.2	212.8	215.4	221.8	221.8	17.7
Total Paper and Paperboard #	197.8	221.0	230.3	232.9	234.3	238.1	238.1	14.3
Converted Products	186.5	209.6	216.5	218.4	220.3	227.5	227.5	14.7
Waste Paper	191.2	206.6	206.7	220.0	221.2	222.7	222.7	15.4
All Commodities	209.3	235.4	245.2	246.9	249.4	254.7	254.7	15.4
Industrial Commodities	209.4	236.3	248.5	250.2	252.8	260.3	260.3	18.4

(1) - Grade definitions revised by Census as of January 1979. New grades now consistent with API definitions. 1977 and 1978 Census data adjusted by API for comparability with 1979.

* See page 3 for Hard Pressed Board data. # Computed by API P-Preliminary R-Revised

SOURCES: Production - Bureau of Census, U.S. Department of Commerce
Producer Price Indexes - Bureau of Labor Statistics, U.S. Department of Labor

Continued from Page 2

Imports of wood pulp, reflecting the strong demand for paper and board in the U.S., rose 7.4% from 1978 to 1979 to 4.3 million tons. About 4% of this total was dissolving wood pulp used outside the paper industry. Imports of paper grade wood pulp accounted for about 8% of the total consumption of wood pulp at paper and board mills. Total imports of pulp, paper and paperboard in 1979 were valued at $4.78 billion, 19% above the 1978 total.

The demand for paper and paperboard outside the U.S. was strong in 1979 and total U.S. exports of paper, paperboard and products rose 8.9%, to 3.67 million tons. The largest single export product is linerboard, and total linerboard exports, according to the Department of Commerce, amounted to 1.64 million tons, 6.8% above the year-earlier level. Total paper exports also showed a good increase and at 576,000 tons were up 6.1%. The strongest gains here were in the packaging grades and in uncoated groundwood papers.

Exports of wood pulp, as reported by the Department of Commerce, amounted to 2.9 million tons, 12.9% above the year-earlier level. The gain was concentrated in the paper grades. Dissolving pulp, which accounts for about one-fourth of the total, declined 1%. Waste paper exports, at 2.2 million tons, were 40% over their 1978 level. The total dollar value of all these exports amounted to $3.36 billion, 30% above the 1978 total.

New Supply

With imports flat and exports up, total new supply in 1979, at 70,336,000 tons, was 4.4% over the 1978 level, and 10% over the 64 million tons of new supply available in 1977. This is somewhat faster than the growth in economic activity; real GNP in 1979 was 2.3% over the 1978 level, and 6.8% over the 1977 level. Thus, the ratio of new supply to real GNP rose from 47.7 thousand tons per billion dollars in 1977 to 48.2 thousand tons in 1978 and 49.1 thousand tons in 1979. However, even in 1979 the ratio was 5% to 6% below the pre-1975 level. While the 1979 rise in the ratio may suggest that a small part of the new supply total was devoted to inventory accumulation, the gain was small and available data indicate that the level of inventories of paper, paperboard and products is reasonably aligned with consumption. At the mill levels and at box plant levels inventories are low relative to output rates and at the final consumer level they are generally reasonable with respect to current rates of use.

Continued on Page 12

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Earnings

The table below summarizes quarterly the reported revenue and profits data for 30 paper and allied products companies and 10 paper related companies. These earnings are calculated on the basis of continuing operations and do not include extraordinary gains or losses.

Sales of these companies in the first three quarters of 1979 accounted for about 63% of the sales total reported by the Federal Trade Commission for all paper and allied products companies. The 1978-1979 change in sales was close to that of the FTC data, but the FTC earnings showed stronger gains, probably because the FTC included certain gains omitted here. If fourth quarter sales and earnings of the total industry as reported by the FTC follow the pattern of these 30 companies, paper industry earnings after taxes in 1979 would amount to about $3.85 billion, up 48% over the year-ago level, while sales would total $55.5 billion, up 13%.

SALES AND EARNINGS AFTER TAXES

1979 - 1978

	1979 1/			1978			% Change 1979 / 1978	
		Earnings			Earnings			
	Sales	Total	% Sales	Sales	Total	% Sales	Sales	Earnings
	---$ Million---			---$ Million--			--------%--------	
				30 PAPER AND ALLIED PRODUCTS COMPANIES				
1st Qtr.	8,112	528.7	6.5	7,101	372.4	5.2	+14.2	+42.0
2nd Qtr.	8,817	646.4	7.3	7,885	512.6	6.5	+11.8	+26.1
3rd Qtr.	8,934	574.2	6.4	7,800	438.5	5.6	+14.5	+30.9
4th Qtr.	9,148	534.7	5.8	8,072	549.2	6.8	+13.3	- 2.7
Full Year	35,010	2,284.0	6.5	30,858	1,872.8	6.1	+13.5	+22.0
				10 PAPER RELATED COMPANIES				
Full Year	47,694	2,715	5.7	40,524	2,265	5.6	+17.7	+19.9

1/ Income from continuing operations before extraordinary charges and income.

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

FEBRUARY 26, 1980

	PRODUCTION (000 TONS)					
	Jan. 1980	Dec. 1979	Jan. 1979	Jan - Dec. 1979	- 1978	% Change 79/78
PAPER GRADES	P	R				
Newsprint	376	339	315	4062	3768	7.8
Uncoated Groundwood (s)	119	118	114	1474	1309	12.7
Coated Paper (s)	397	366	363	4510	4448	1.4
Uncoated Free Sheet Paper (s)	681	635	622	7868	7225	8.9
Thin Paper (c)	31	29	31	377	354	6.6
Cotton Fiber Paper (s)	12	10	10	125	114	9.4
Bleached Bristols (c)	93	83	93	1107	1095	1.1
Tissue Paper	370	335	359	4523	4215	7.3
Unbleached Kraft Packaging & Indl. Converting (s)	308	305	317	3963	3884	2.0
Other Paper (c)	160	145	137	1785	1430	24.8 *
TOTAL PAPER	2546	2364	2362	29794	27842	7.0
PAPERBOARD GRADES						
Kraft Linerboard, Unbleached	1212	1064	1132	14076	13228	6.4
Other Kraft Paperboard	105	58	104	1127	1145	-1.6
Semichemical Paperboard	424	358	375	4721	4439	6.4
Bleached Paperboard	346	295	320	4023	3979	1.1
Recycled Paperboard	652	572	648	7683	7485	2.7
TOTAL PAPERBOARD	2739	2346	2578	31631	30275	4.5
CONSTRUCTION & WET MACH GRADES(c)	255	248	282	3458	3515	-1.6
TOTAL PAPER AND PAPERBOARD	5540	4957	5222	64883	61632	5.3
HARD PRESSED BD.[not in total](c)	165	155	167	2141	2180	-1.8

WOOD PULP (ALL GRADES)	Dec. 1979	Nov. 1979	Dec. 1978	Jan - Dec. 1979	- 1978	% Change 79/78
Dissolving & Special Alpha	118	130	98	1497	1411	6.1
Bleached Sulphite	121	121	87	1379	1420	-2.9
Unbleached Sulphite	30	33	32	396	330	19.9
Bleached & Semi-Bl. Sulph.	1398	1562	1283	18061	17114	5.5
Unbleached Sulphate	1544	1695	1466	19930	19028	4.7
Semichemical	310	344	296	4068	3783	7.5
Groundwood and Thermo-Mechanical	355	371	344	4385	4141	5.9
TOTAL PULP DIVISION DATA	3874	4255	3606	49715	47228	5.3
Defib. Exploded & Scrngs E	225	241	243	3130	3155	-0.8
TOTAL WOOD PULP PRODUCTION	4099	4496	3849	52845	50383	4.9

Note: Paperboard cumulative totals include revisions not available monthly.
* - Census indicates that 1978 Other Paper production will be revised upward.
(s) - Shipments   R - Revised   E - Estimate
P - Preliminary   (c) - Census Data - Production, last 2 months estimated.

February 29, 1980

	Full Year		INDUSTRY DATA 1979 R	 1979 R	 1980 P	Ann. Rate Year - To - Date	% From Same Pd Last Yr
PAPER AND PAPERBOARD -- Tons (000)	1978	1979	November	December	January	1980	
Total Production (API).......¦ ¦...	61632	64883	5522	4957	5540	66476	6.1
Total Seasonally Adjusted....¦ excluding ¦...			5511	5541	5507	66081	6.0
Imports (including Products).¦hard pressed¦..E	9117	9125	787	766	773	9279	1.5
Exports (including Products).¦ board ¦..E	3373	3672	310	335	328	3941	27.6
Apparent Consumption.........¦ ¦...	67376	70336	5988	5973	5952	5952	4.2
Paper Production % Tonnage Capacity...........	91.4	95.7	95.9	86.5	92.5	93.8	-
Paperboard Production % Tonnage Capacity......	92.8	94.8	96.5	81.2	94.1	94.1	-
	1977	1978	October	November	December	1979	
MARKET WOOD PULP PRODUCTION - Tons (000)........	4819	5165	532	509	485	5723	10.8
TOTAL WOOD PULP PRODUCTION - Tons (000)..(f)....	46652	47228	4419	4255	3874	49715	5.3
WOOD PULP IMPORTS - TONS (000)..................	3864	4025	358	373	347	4324	7.4
WOOD PULP EXPORTS - TONS (000)..................	2640	2599	265	255	290	2935	12.9
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS	1977	1978	October	November	December	1979	
Wood Pulp..(k)............................	47596	48350	4462	4286	3935	50658	4.8
Waste Paper....(d)........................	14058	14760	1385	1397	1173	15400	4.3
Other (Census)............................E	745	666	54	51	49	645	-3.2
Total................	62399	63776	5900	5734	5157	66703	4.6
..WOOD PULP - NON PAPER.........................E	876	884	79	73	73	906	2.5
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	74807	77290	7103	6723	6057	79566	2.9
EMPLOYMENT (000)	1978	1979	November	December	January	1980	
Paper and Allied Products..........Total......	700.9	714.2	715.9	715.1	712.7	712.7	1.8
Pulp, Paper and Board Mills........Total.....E	267.0	271.2	271.9	273.4	272.0	272.0	4.0
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....................	6.52	7.12	7.42	7.49	7.52	7.52	10.6
Pulp, Paper Mills...........................E	7.44	8.26	8.70	8.70	8.73	8.73	12.2
Paperboard Mills............................E	7.68	8.39	8.81	8.87	8.90	8.90	10.7
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1979 Q2	1979 Q3	1979 Q4		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)#	3.36	3.46	4.80	4.68	5.09	4.84	40.0
INDEX OF OUTPUT PER MAN-HOUR (1967=100)..........	1977	1978	September	October	November	1979	
¦IN PULP, PAPER ¦...Production Workers.......RS	148.1	153.9	158.7	162.1	162.8	158.6	3.5
¦AND BOARD MILLS¦...All Employees............RS	144.0	148.4	152.9	156.3	156.8	152.8	3.3
PAPER AND ALLIED PRODUCTS (Million $)	1977	1978	October	November	December	1979	
Industry Shipments (Dept. of Commerce)#.......	52368	57654	5641	5585	5583	66122	14.7
Pulp, Paper and Paperboard#.................	23701	25343	2598	2607	2719	30253	19.4
Inventories (End of Period) - Total Industry#.	5628	5875	6538	6615	6854	6854	16.7
Pulp, Paper and Paperboard#.................	2102	2006	2198	2258	2400	2400	19.6
	1977	1978	1979 Q1	1979 Q2	1979 Q3		
Sales (Corporations Only, FTC)................	45750	48982	12997	13828	14133	54611	13.3
Earnings (Corporations Only, FTC).............	2367	2598	867	917	1162	3928	58.0
Depreciation (Corporations Only, FTC).........	1663	1726	447	479	481	1876	9.8
Net Worth (Corporations Only, FTC)............	19704	20794	21282	21808	22688	22688	12.3
PRICE INDEXES (Bureau of Labor Stats)1967=100	1978	1979	November	December	January	1980	
Total Pulp, Paper and Allied Products.........	195.6	218.9	229.3	231.0	237.4	237.4	14.7
Wood Pulp.....................................	266.5	314.8	339.9	339.9	358.8	358.8	23.2
Waste Paper...................................	191.2	206.6	220.0	221.2	222.7	222.7	15.4
Paper...	206.1	229.7	242.1	243.0	245.5	245.5	12.7
Paperboard....................................	179.6	202.1	212.8	215.4	221.8	221.8	17.7
PAPER DEMAND (INDEXED: 1967=100)	1978	1979	November	December	January	1980	
Total Paper Production #......................	133.1	142.4	145.5	142.4	142.6	142.6	7.8
Paper New Supply #............................	131.2	137.8	141.3	137.6	138.3	138.3	6.1
Total End - Use Index #.....................	139.5	144.6	144.6	145.5	146.6	146.6	2.2
Production of Nondurable Goods #...(19%)..	157.0	163.3	164.4	164.7	165.5	165.5	3.0
Disposable Income (Constant $) #...(23%)..	145.2	148.5	148.7	148.7	149.3	149.3	0.4
Total Printing and Publishing #...(58%)..	131.5	136.9	136.5	137.9	139.3	139.3	2.7
Trend Factor	----------------		--------Not Available		--------	----------------	
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production #.................	132.8	138.8	141.7	145.8	144.0	144.0	6.2
Production for Domestic Use	227.3	203.5	138.5	145.7	139.8	139.8	3.8
Total End - Use Index #.....................	147.7	151.7	151.0	151.0	150.9	150.9	-0.3
Production of Consumer Goods #...(60.49%)	149.1	150.3	148.9	148.9	148.4	148.4	-1.5
Production of Equipment #...(6.62%)	132.8	142.1	143.7	144.9	146.1	146.1	4.4
Production of Materials #...(32.89%)	148.3	156.0	156.2	156.1	156.6	156.6	1.0
Trend Factor	----------------		--------Not Available		--------	----------------	
NEWSPRINT MARKETS	1977	1978	October	November	December	1979	
Consumption by Publishers - Tons (000)........	10228	10872	1019	1001	950	11218	3.2
Newspaper Pub. and Printing Emp. Total (000)..	395.6	407.4	424.4	428.4	429.7	420.7	3.3
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	106489	115090	12172	12940	10245	119817	4.1
WHOLESALERS SALES AND INVENTORIES (Million $)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	15482	17586	1821	1699	1643	19725	12.2
Inventories (End of Period)	1261	1482	1597	1657	1684	1684	13.6
Paper Only..............................Sales	11799	13078	1368	1269	1208	14881	13.8
Inventories (End of Period)	873	1025	1082	1090	1119	1119	9.2
RETAIL TRADE (Million $)	1978	1979	November	December	January	1980	
Total Retail Sales #..........................	798818	882045	76427	76809	78545	942540	10.9
Nondurable Goods Stores Sales #..............	520902	578846	51137	51127	51942	623304	13.9
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)#.	146.1	151.3	152.1	152.3	152.7	152.7	0.8
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	209.3	235.4	246.9	249.4	254.7	254.7	15.4
	1977	1978	October	November	December	1979	
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	181.5	195.4	225.4	227.5	229.9	217.4	11.3
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	230.8	275.6	305.2	307.6	311.3	311.3	13.0
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1979 Q2	1979 Q3	1979 Q4		
G.N.P. or Expenditure - Current $.............	1899.5	2127.6	2329.8	2396.5	2459.4	2369.5	11.4
G.N.P. OR Expenditure - 1972 $................	1340.5	1399.2	1422.3	1433.3	1440.7	1431.7	2.3

lb/capita	Popul.(mil)
.a - 617	218.5
.b - 638	220.4
.c - 644	221.7

.d - 1977 - 12192; 1978 - 13185
. 1979 A.R. Jan-Oct - 13108
. (000 tons) as pub. by Census
.E - Last month estimated by API

f - Wood Pulp Production excludes estimates for def. expl. & scrngs. Prod. was: 1977 - 3,218; 1978 - 3,155; 1979 A.R.Y-T-D 3,130 (000 tons)
g - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
k - Excludes consumption of defib. & expl. pulp for hard p. bd.: '77 - 1,688; '78 - 1,655 (000 tons)

N.A. - Not Available
P - Preliminary
Q - Quarter
R - Revised
RS - Revised Series
w - Full year estimated by U.S. Dept. of Commerce
- Seasonally adjusted

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MONTHLY STATISTICAL SUMMARY

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Vol. 58 MARCH 1980 No. 3

January-February 1980 Production Continues High

Total production of paper and paperboard in the first two months of 1980 was at a seasonally adjusted rate of 66.4 million tons per year. This compares to the revised total of 64.9 million tons produced in 1979, and 62.1 million tons in 1978. Weekly data for the first two weeks of March indicated that production continued near this high rate and the rate of production for the entire first quarter of 1980 will probably be over 66 million tons per year.

Comparison of production rates in the first two months of 1980 with year-ago levels would show an even better performance but it would not be descriptive of the current trend of the industry. In the first two months of 1979 production of paper and paperboard was at a seasonally adjusted rate of about 5,250,000 tons per month; during the last ten months of the year, it averaged 5,450,000 tons per month. Thus, a somewhat better indicator of the performance is a comparison of the rates of production with the average rate for all of 1979.

Most of the gain in production was concentrated in the paper grades. Total paper production in the first two months of 1980 was at an annual rate of 30.7 million tons, compared to the 29.8 million tons produced in 1979, and 28.3 million tons in 1978. Within the paper structure, the major areas

Continued on Page 2

Continued from Page 1

of growth continued in the printing and writing papers. Production of total printing/writing papers in the first two months was at a rate of 16.1 million tons per year, compared to 15.5 million tons produced in 1979. Furthermore, total new orders for the printing paper grades for which we have such data - groundwood, coated and uncoated free sheet papers - in the first 2 months of 1980 were about 4% above the shipments total.

Among the paperboard grades, the major strength continued in containerboard. Production of containerboard for domestic use in the first two months of 1980 held close to its 1979 average level. In that same period, total shipments of fiber boxes were about 1-½% ahead of their 1979 average. Inventories of containerboard at fiber box plants and mills as of the end of February 1980 were at a very low five weeks of supply, and 100,000 tons below the total held at the beginning of the year.

Production of the boxboard grades, bleached board and recycled, were fairly close to their average 1979 levels in January and February 1980.

The paper and allied products industry currently appears to be following a somewhat stronger growth trend than the total economy. The Federal Reserve Board's index of production of paper and paper products was reported at an average level of 154.3 (1967 = 100) in the first two months of the year, 2% above its 1979 average of 150.8. The total index of production, at a shade below 153, is only about ½% above its 1979 average. Preliminary data indicate that total economic activity as measured by real GNP in the first quarter of 1980 was probably less than 1% above its 1979 average level.

Technical Note: The Bureau of Census recently published revised data on total production of paper and paperboard by major grade for 1978, with revised data for 1977. The preliminary 1978 data, based upon summing the reported monthly totals, amounted to about 60 million tons; the revised total was 62 million tons, which is in line with API's 1978 reported total. On the basis of its new survey, Census increased its reported production totals for bleached kraft, semichemical and recycled paperboard from the relatively low levels reported initially, to rates that were about in line with those reported by API. Revisions in the 1977 data also brought their totals in line with those originally published by API.

Census also made some major revisions in its data on production of packaging and industrial converting papers other than unbleached kraft. Census found previously unreported tonnages in the new specialty

Continued on Page 11

PAPER AND PAPERBOARD STATISTICS

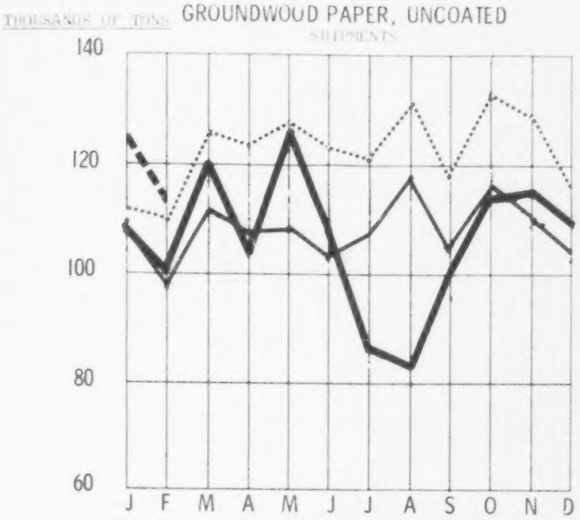
PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

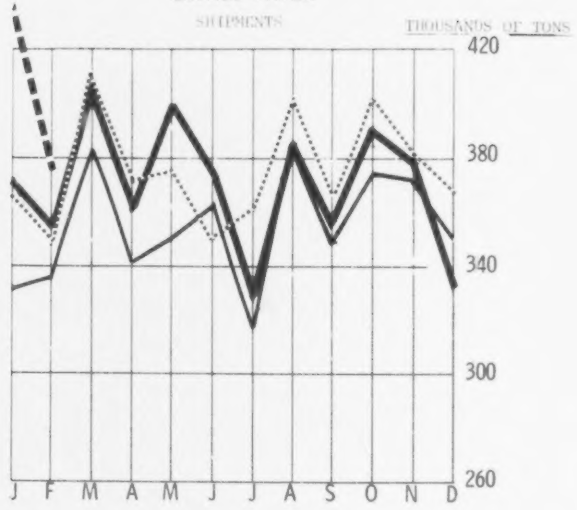
	YEAR 1978	YEAR 1979	NOV. 1979	DEC. 1979	JAN. 1980	FEB. 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
PAPER					R	P		
Newsprint - Production	3768	4062	364	339	376	368	4459	19.2
- Shipments	3779	4066	361	347	369	368	4420	18.5
Printing & Writing	14541	15458	1303	1237	1406	1274	16077	10.7
Groundwood Paper - Shipments	1309	1474	128	118	125	114	1431	6.5
- New Orders	1367	1472	105	107	156	116	1631	13.7
- Unfilled Orders	179	181	183	181	192	204	204	7.0
Coated Paper - Shipments	4448	4510	381	366	435	377	4868	13.3
- New Orders	4428	4519	401	364	481	393	5246	19.2
- Unfilled Orders	404	436	427	436	443	469	469	12.5
Unctd Free Sheet - Shipments	7225	7868	667	635	723	664	8326	14.2
- New Orders	7542	7805	639	602	737	631	8206	9.4
- Unfilled Orders	754	688	710	688	663	684	684	-11.5
Thin Paper - Production *	350	376	31	28	31	29	360	-1.0
Cotton Fiber Paper - Shipments	114	125	11	10	12	11	137	13.9
Bleached Bristols -Production*	1095	1104	86	80	80	79	954	-13.4
Tissue Paper - Production	4215	4525	372	337	382	360	4453	4.9
Total Packaging & Other Paper	5789	5729	490	439	501	480	5887	8.4
Unbl. Kraft Paper - Shipments	3884	3963	333	305	346	325	4027	5.5
Other Paper - Production * #	1905	1767	157	134	155	155	1860	15.4
TOTAL PAPER-Production-Unadj.	28313	29774	2529	2351	2665	2481	30875	10.5
-Production-S.A.			2531	2473	2605	2511	30697	8.5
PAPERBOARD - PRODUCTION							##	
Solid Wood Pulp Furnish	22790	23947	2047	1774	2098	1966	24321	7.4
Unbl. Kraft Linerboard - Total	13228	14076	1209	1064	1213	1162	14250	7.3
Production for Export	1466	1621	160	120	177	147	1940	39.9
Other Unbl. Kraft Paperboard	1144	1127	101	58	104	87	1146	-0.0
Semichemical Paperboard	4439	4721	395	358	423	395	4908	13.4
Production for Export	119	92	7	4	11	12	133	75.2
Solid Bleached Paperboard	3979	4023	343	295	347	323	4017	3.3
Production for Export	430	466	40	32	43	47	535	30.0
Recycled Paperboard	7485	7683	657	572	649	621	7621	1.2
Production for Export	22	22	2	3	2	2	27	29.9
TOTAL PAPERBOARD-Prod.-Unadj.	30275	31631	2714	2346	2737	2587	31943	5.9
- Containerboard Prod.(Dom. Use)	17908	19031	1614	1460	1611	1550	18962	5.8
- Boxboard Production (Dom. Use)###	6505	5897	488	428	506	470	5857	-0.1
- All Other P'bd Prod.(Dom. Use)###	3825	4503	403	299	388	360	4488	0.7
- Total Paperbd Prod. for Export	2037	2200	210	159	232	207	2635	39.1
TOTAL PAPERBOARD PROD. - S.A.			2695	2773	2737	2639	32259	4.0
WET MACHINE BOARD *	136	144	14	16	15	15	180	49.3
BUILDING PAPERS *	1915	1909	154	147	150	155	1830	0.7
INSULATING BOARD *	1416	1424	111	95	100	100	1200	-12.5
TOTAL ALL GRADES - Unadjusted	62055	64881	5522	4954	5667	5338	66028	7.5
- Production - S.A.			5512	5538	5632	5439	65427	5.5
HARD PRESSED BD. [not in total]*	2294	2123	165	137	150	155	1830	-5.0

* Census Data - Production. Last two months estimated.
# Production excludes API bleached kraft envelope.
## Includes revisions not available monthly.
### Data on unbleached kraft folding boxboard for 1979 and 1980 included in All Other.

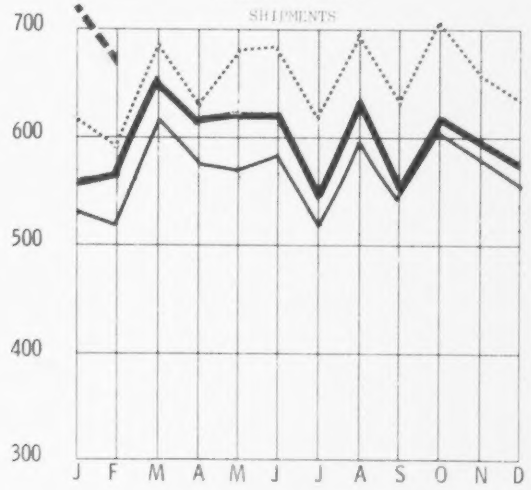
S.A. Seasonally Adjusted
P Preliminary
R Revised



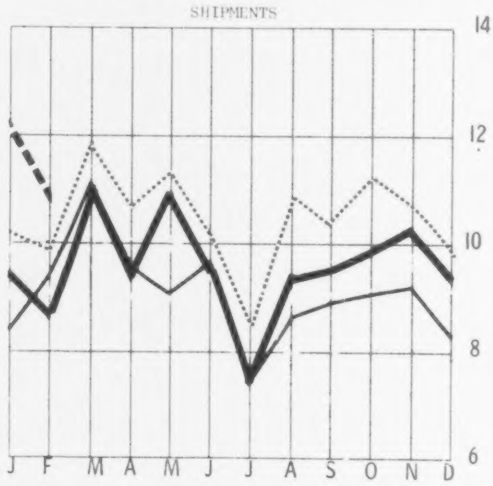
GROUNDWOOD PAPER, UNCOATED



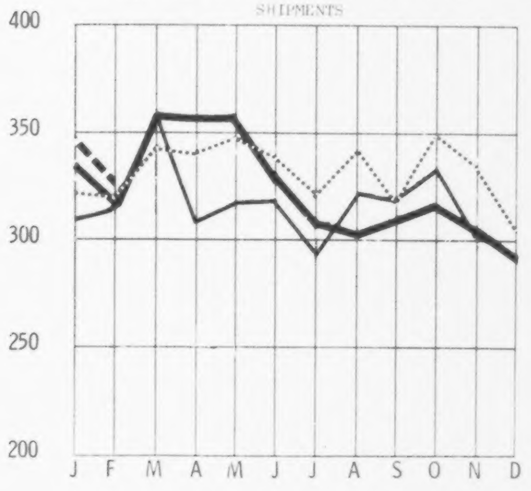
COATED PAPER



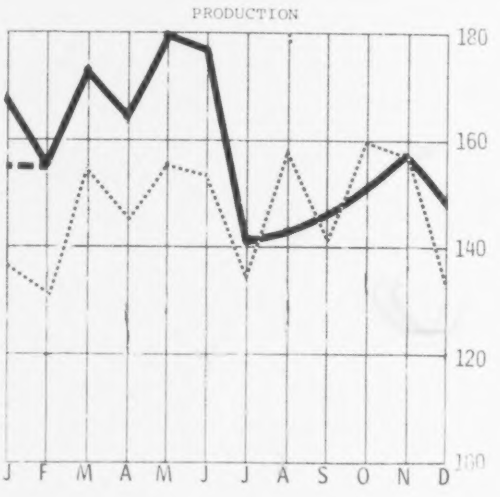
UNCOATED FREE SHEET PAPERS



COTTON FIBER PAPER



UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER



OTHER PAPER

1977 —— 1978 ━━ 1979 ········ 1980 - - -

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 1978	1979	OCT. 1979	NOV. 1979	DEC. 1979	JAN. 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
TOTAL WOOD PULP (1)					R	P		
Total Wood Pulp - Production	47228	49717	4419	4255	3874	4390	52676	12.0
- Imports	4025	4324	358	373	347	365	4381	10.3
- Exports	2599	2935	265	255	290	212	2549	29.0
- New Supply	48653	51106	4512	4373	3931	4542	54508	11.2
Dissolving Pulp - Production	1411	1497	148	130	118	146	1746	48.2
- Imports	189	193	9	20	22	25	303	41.2
- Exports	758	764	64	67	75	43	517	5.4
- New Supply	842	926	93	83	64	128	1533	69.7
Paper Grades Chemical Pulp - Production	37893	39768	3527	3410	3092	3528	42330	11.8
- Imports	3627	3930	333	340	311	325	3902	7.7
- Exports	1780	2100	193	180	209	160	1914	32.3
- New Supply	39740	41597	3667	3570	3194	3693	44318	10.7
Groundwood and Thermo-Mech. - Production	4141	4385	382	371	355	364	4368	4.5
- Imports	208	201	16	13	14	15	176	29.1
- Exports	62	70	8	8	6	10	118	201.9
- New Supply	4287	4516	389	376	364	369	4426	3.5
Semi-Chemical - Production	3783	4068	363	344	310	353	4232	10.3
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	3783	4068	363	344	310	353	4232	10.3
MARKET WOOD PULP								
Total Market Wood Pulp - Production	5165	5723	532	509	485	562	6740	51.8
- Imports	2816	3046	251	265	233	276	3317	14.3
- Exports	2480	2784	231	249	262	219	2632	44.4
- New Supply	5501	5985	552	525	456	619	7426	34.5
Dissolving Pulp - Production	1406	1497	147	130	117	145	1744	43.4
- Imports	291	306	13	25	16	17	202	-40.6
- Exports	824	869	63	77	86	56	671	29.4
- New Supply	873	934	97	78	48	106	1274	22.9
Paper Grades Chemical Pulp - Production	3675	4163	378	372	362	410	4921	52.6
- Imports	2495	2734	237	240	217	259	3108	21.7
- Exports	1613	1870	164	168	173	156	1867	46.1
- New Supply	4557	5027	452	444	405	514	6162	36.9
Groundwood Pulp and All Other - Production	83	63	6	7	6	6	76	0.0
- Imports	26	7	2	0	0	1	6	-16.7
- Exports	42	46	4	4	4	8	94	254.5
- New Supply	67	24	3	3	2	0	- 0	0.0

(1) Prodctn excludes defibrated, exploded & screenings-(000 tons): 1978 - 3,140; 1979 - 3,018; A.R.Y-T-D'80 - 2,568

SOURCES: Total Wood Pulp Imports & Exports - Department of Commerce. Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API.

FIBROUS RAW MATERIALS
(Thousands of tons)

	1978	1979	OCT. 1979	NOV. 1979	DEC. 1979	JAN. 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
CONSUMPTION AT PAPER & BD. MILLS					R	P		
Total	63485 R	66176 R	5856	5689	5186	5697	68359	6.4
Total Wood Pulp (2) A	47947 R	50133 R	4417	4241	3881	4353	52235	7.2
Market Wood Pulp A	4774	5030	441	411	399	440	5280	-0.1
Waste Paper (3) A	14760	15400	1385	1397	1258	1289	15464	4.4
Rags, Straw & Other C, E	778 R	643	54	51	47	55	660	-3.5
INVENTORIES								
Wood Pulp at Pulp Mills A	130	107	112	117	107	104	104	-24.3
Market Pulp at Pulp Mills A	187	132	152	158	132	160	160	-8.9
Mkt Pulp at Ppr.& Bd. Mills CE	435	421	390	404	421	410	410	9.9
Waste Ppr.at Ppr.&Bd. Mills (4)	740	798 R	800	795	798	881	881	5.0
Rags, Straw and Other at Paper and Board Mills C, E	66	61	61	62	61	60	60	0.0
Mkt Wood Pulp Days of Supply A	44	38	36	38	38	38	38	4.0
Wood Pulp Consumption at at Non-Paper Mills C, E	884	909	79	74	75	75	900	-4.3

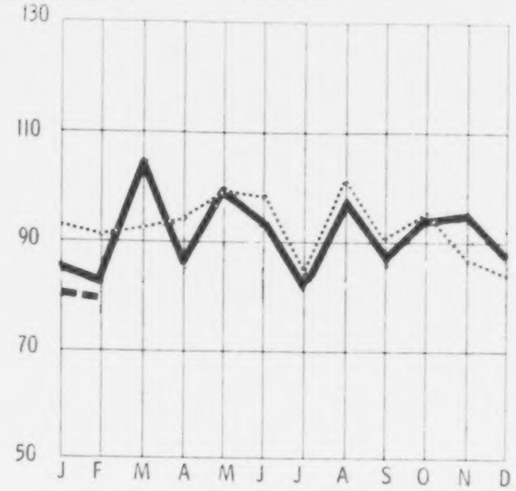
A - Pulp & Raw Materials Group, API; C - Bureau of the Census; E - Most Recent Month Estimated by API
P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons
(2) Excludes consumption of defibrated & exploded pulp for hard pressed bd.(000 tons): 1978 - 1,666; 1979 - 1,593
(3) Census Waste Paper Consumption, (000 tons): 1977 - 12,103; 1978 - 12,481; 1979 - 12,962
(4) Census data prior to 1979; more recent data are from the Paper Stock Conservation Committee, A.P.I.

BEST COPY AVAILABLE

THOUSANDS OF TONS

BLEACHED BRISTOLS

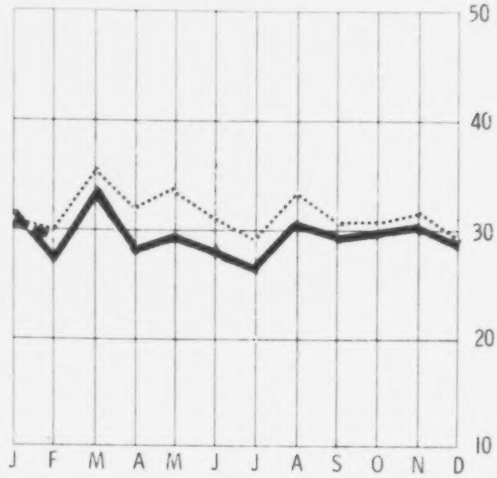
PRODUCTION



THIN PAPERS

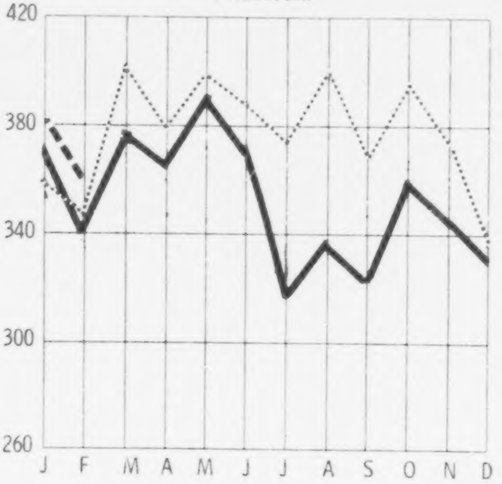
PRODUCTION

THOUSANDS OF TONS



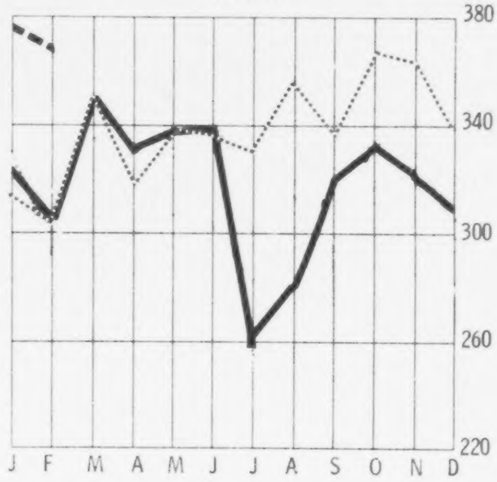
TISSUE PAPER

PRODUCTION



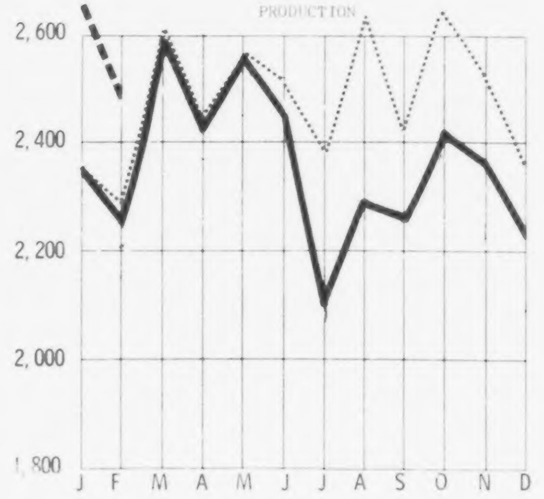
NEWSPRINT

PRODUCTION



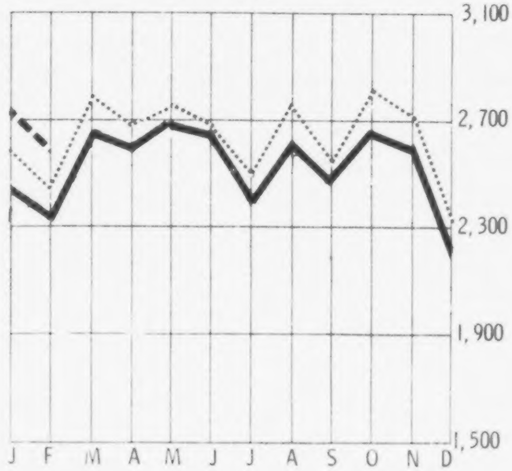
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1977 —— 1978 ▬▬ 1979 ······ 1980 ▬ ▬

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic foot) Cords)

PULPWOOD		YEAR 1978	YEAR 1979	OCT. 1979	NOV. 1979	DEC. 1979	JAN. 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Total U.S.	- Total Receipts	77025	78625	7505	6557	6479	6906	82872	16.1
	- Total Consumpt.	77290	79566	7103	6723	6057	6923	83076	8.1
	- Residues *	30369	30015	2915	2317	2150	2415	28980	5.7
	- Inventories	6244	5506	5320	5110	5506	5320	5320	-8.6
So. Atlantic	- Total Receipts	25353	26126	2393	2202	2103	2248	26976	4.5
	- Total Consumpt	25204	26523	2385	2240	1934	2320	27840	5.4
	- Residues *	8513	8858	807	718	673	730	8760	-2.4
	- Inventories	1191	1052	911	880	1052	997	997	-14.3
Northeast	- Total Receipts	6664	7461	649	662	618	735	8820	21.5
	- Total Consumpt	6607	7584	661	681	595	680	8160	4.6
	- Residues *	1662	1670	143	147	113	119	1428	-12.5
	- Inventories	770	674	680	654	674	667	667	-13.2
South Central	- Total Receipts	25572	26654	2568	2178	2225	2281	27372	14.0
	- Total Consumpt	25678	26432	2308	2154	1999	2275	27300	2.4
	- Residues *	8418	8669	787	655	616	737	8844	1.9
	- Inventories	1194	1472	1243	1281	1472	1485	1485	44.6
North Central	- Total Receipts	5291	5630	518	452	569	612	7344	42.0
	- Total Consumpt	5330	5535	448	474	430	459	5508	-3.0
	- Residues *	1456	1501	142	138	117	129	1548	20.6
	- Inventories	968	993	885	857	993	1119	1119	19.2
West	- Total Receipts	14145	12754	1377	1063	964	1030	12360	35.5
	- Total Consumpt	14471	13492	1301	1174	1099	1189	14268	38.7
	- Residues *	10320	9317	1036	659	631	700	8400	22.6
	- Inventories	2121	1315	1601	1438	1315	1052	1052	-45.3

* - Consumption of Residues in Cord Equivalents.
SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 1979 Tons	YEAR 1979 $000	DEC. 1979 Tons	DEC. 1979 $000	JAN. 1980 Tons	JAN. 1980 $000	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206050	8867	16019	678	27971	1142	335652	194.2
Pulpwood Chips	1527734	30440	105429	2352	121955	2847	1463460	40.9
Wood Pulp, Total	4143944	1404354	340030	125530	338458	130286	4061496	5.2
Waste Fibrous Materials, Total	88344	13727	3083	427	4737	662	56844	-39.0
Paper,Paperboard&Products,Total	8501965	2779223	723425	252471	729169	253302	8750023	1.5
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd. *	8457803	2725085	719940	247556	725411	249553	8704928	1.4
Paper, Total	8015574	2642945	684269	239975	679356	241449	8152268	-0.0
Newsprint	7077209	2249470	622835	211151	610793	209615	7329516	-0.8
Printing,Writing & Rel.Pap.	799355	322818	49358	22122	60840	27667	730084	13.0
Pack. & Ind. Conv. Paper	118815	57854	10746	5827	7141	3832	85697	-19.7
Special Industrial Paper	3157	3324	188	260	30	40	360	-56.1
Tissue Paper	17039	9479	1142	614	551	295	6612	-52.2
Paperboard, Total	80636	17653	9705	2537	8789	2085	105464	10.1
Wet Machine Board	1522	703	184	91	81	39	973	-27.3
Construction Paper and Bd. *	360071	63784	25781	4952	37185	5981	446222	34.9
Convtd Paper&Paperbd Products	44163	54138	3486	4915	3758	3750	45095	26.0

EXPORTS TO CANADA

	YEAR 1979 Tons	YEAR 1979 $000	DEC. 1979 Tons	DEC. 1979 $000	JAN. 1980 Tons	JAN. 1980 $000	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	263367	11446	12201	630	11477	489	137724	-76.6
Pulpwood Chips	87790	3790	1021	32	1662	46	19944	-78.8
Wood Pulp, Total	136641	49608	8834	3476	9068	4157	108816	-25.8
Cotton Pulp & Other Pulp	7921	3728	586	217	883	473	10596	164.4
Waste Paper	478477	50207	44313	3812	37623	3866	451476	24.1
Paper,Paperboard&Products,Total	624928	353202	44540	24684	49153	28900	589840	-1.5
Paper, Paperboard, Wet Machine Bd & Constr. Paper & Board *	454029	248403	34505	17256	37550	20726	450601	1.8
Paper, Total	181451	142407	14812	10238	17503	12761	210038	13.4
Newsprint	2803	1734	110	94	113	126	1361	-81.6
Printing,Writing & Rel.Pap.	108290	76567	8580	5629	9718	7245	116610	11.2
Pack. & Ind. Conv. Paper	16084	10108	1060	761	1144	617	13730	-18.6
Special Industrial Paper	46773	48173	4795	3482	6354	4571	76253	54.1
Tissue	7502	5825	267	272	174	202	2084	-68.6
Paperboard, Total	230904	83021	17056	5880	17828	6971	213938	-2.1
Wet Machine Board	5262	9916	351	195	276	148	3311	-33.0
Construction Pap. & Bd. E *	36411	13059	2287	944	1943	846	23314	-31.4
Convtd Paper&Paperbd Products	170900	104799	10035	7428	11603	8175	139238	-10.9

* - Hard Pressed Board (not in total)

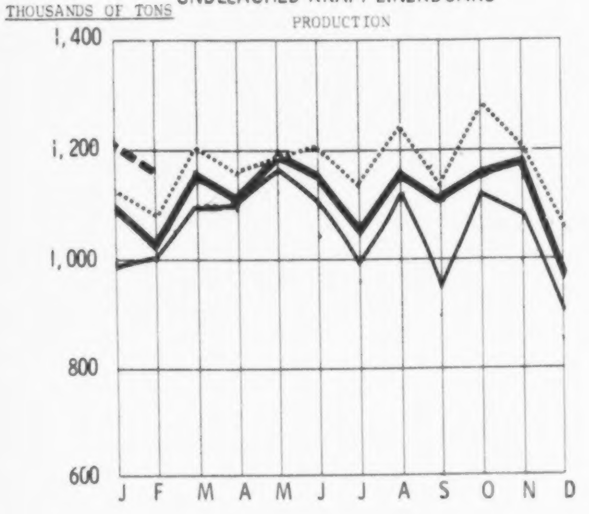
Imports of Hard Pressed Bd.	29771	5370	2521	449	1851	319	22212	149.8
Exports of Hard Pressed Bd.	20535	6878	1028	378	1764	642	21168	-25.4

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

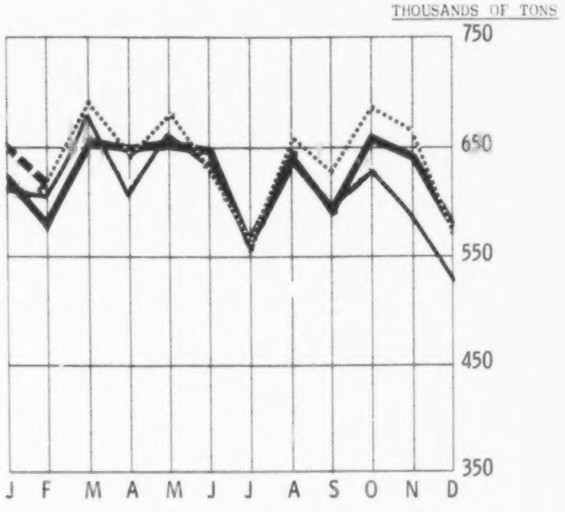
BEST COPY AVAILABLE

UNBLEACHED KRAFT LINERBOARD

PRODUCTION

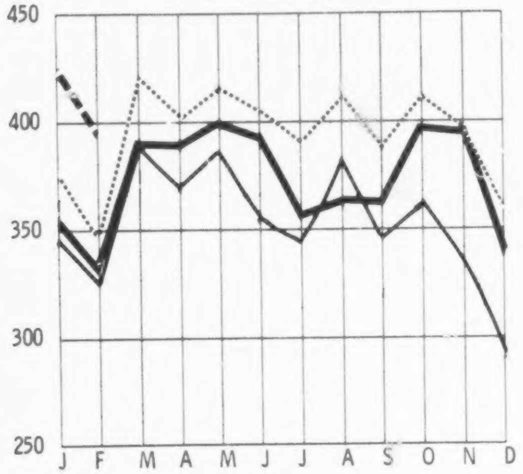


RECYCLED PAPERBOARD



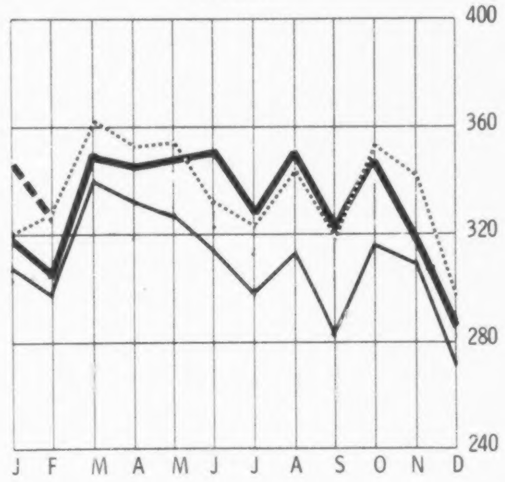
SEMI-CHEMICAL PAPERBOARD

PRODUCTION



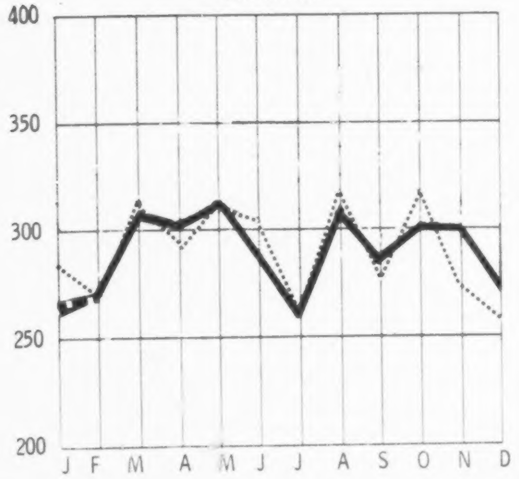
SOLID BLEACHED PAPERBOARD

PRODUCTION



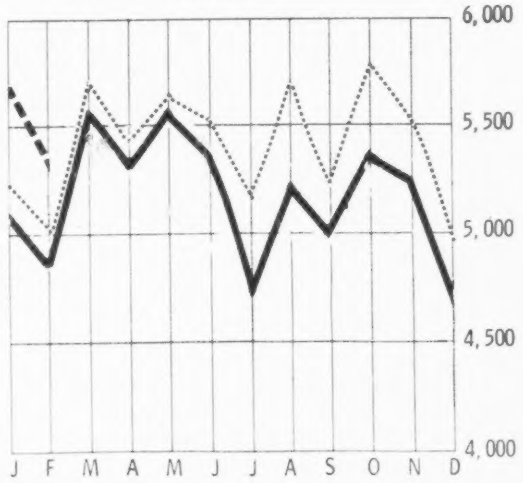
WET MACHINE BOARD AND BUILDING PAPER AND BOARD

PRODUCTION



TOTAL PAPER AND BOARD

PRODUCTION



1977 ——— 1978 ▬▬▬ 1979 .... 1980 ▬ ▬ ▬

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1979 Tons	YEAR 1979 $000	DEC. 1979 Tons	DEC. 1979 $000	JAN. 1980 Tons	JAN. 1980 $000	(1) Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206074	8869	16019	678	27971	1142	335652	194.2
Pulpwood Chips	1574763	33413	105429	2352	121955	2847	1463460	85.7
Total All Imports	13554749	4693607	1117020	414524	1140960	437662	13691522	3.5
Wood Pulp, Total	4324033	1465169	347070	127965	365057	139708	4380684	10.3
Waste Paper	62310	8625	1985	176	2491	246	29892	-55.7
Other Fibrous Materials	43640	13149	1877	874	2578	616	30936	-40.8
Paper,Paperbd&Products,Total	9124767	3206665	766089	285508	770834	297092	9250010	1.2
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	9028643	2983554	758851	266523	762596	267544	9151151	1.0
Paper, Total	8561213	2894764	720535	258443	714401	258955	8572812	-0.5
Newsprint	7224195	2300450	635659	216690	619158	212650	7429896	-0.7
Printing & Writing	1176253	510579	72085	34303	86535	41043	1038416	4.8
Uncoated Groundwood	804598	295996	47041	18925	60603	24944	727230	14.5
Uncoated Book	142674	69291	8924	4740	10206	5728	122471	16.4
Coated Print.& Impres. Pap	188846	108590	12403	7560	12917	7706	154998	-30.5
Bristols	2247	1243	88	66	40	31	474	-38.4
Writing and Similar Paper	22964	23403	2040	1812	2030	1726	24354	46.7
Thin (except Cigarette)	14924	12057	1588	1199	741	909	8890	-14.2
Total Pkg & Other Paper	143452	74013	11649	6836	8156	4965	97870	-25.8
Unbleached Kraft Paper	66816	23211	4321	1718	3009	1203	36103	-41.7
Other Pkg. & Indust. Paper	76636	50802	7328	5118	5147	3762	61766	-11.7
Tissue	17312	9722	1142	615	553	297	6630	-54.6
Paperboard, Total	82203	19111	9772	2604	8858	2182	106292	8.9
Test or Containerboard	25725	6021	5496	1437	4950	1295	59402	83.7
Semi-Chemical Corrugating	33494	5889	1656	313	2954	542	35446	-22.2
Other Paperboard	22984	7201	2619	854	954	344	11444	-41.9
Wet Machine Board	2345	1341	232	142	165	106	1978	-25.1
Construction Paper & Bd. *	382883	68338	28314	5334	39172	6301	470069	35.9
Building Paper	330147	56768	24049	4326	35066	5384	420791	37.8
Insulating Board	21682	4664	1132	263	1495	318	17938	-4.7
Other Building Board	31054	6906	3133	746	2612	599	31340	44.9
Convtd Paper&Paperbd Products	96124	223111	7237	18985	8238	29548	98860	31.3
Paper Products, Total	90317	211663	6784	17987	7787	28646	93444	32.0
Paperboard Products, Total	5807	11447	453	998	451	902	5416	19.6
Notes								
Other: No Weight Avail. ($000)		81899		6245		5807	69679	-10.2
Total Imports Incl. Other($000)		4775506		420769		443469	5321623	29.2

EXPORTS

							(1)	
Pulpwood, Roundwood (in cords of 128 cu. ft.)	263721	11473	12201	630	15183	545	182196	-69.1
Pulpwood Chips	4498674	197847	396600	17567	308487	18013	3701844	13.6
Total All Exports	8971542	3348192	868700	335516	807407	304557	9688888	39.7
Wood Pulp,Total	2934818	1103556	289972	119547	212395	84743	2548740	29.0
Cotton Pulp and Other Pulp	131444	74579	13088	7944	14896	8494	178752	116.6
Waste and Old Paper	2233246	256108	230958	26434	225011	25444	2700132	50.9
Paper, Paperbd&Products, Total	3672034	1913949	334682	181591	355105	185876	4261264	38.0
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3109390	1328329	285555	127955	306865	131185	3682382	46.9
Paper, Total	575936	486248	60022	47762	64489	47518	773866	44.3
Newsprint	71456	32046	9436	4706	12414	4945	148964	59.6
Printing & Writing	274609	233380	24680	20933	23177	21660	278120	6.6
Uncoated Groundwood	80392	55384	6758	4871	5960	4199	71516	-12.3
Clay Coated Paper	73521	57743	6225	4825	6657	5749	79889	30.7
Uncoated Free Sheet	68159	64146	7163	6789	6206	7118	74473	16.1
Other Printing & Writing	52537	56107	4534	4448	4354	4594	52242	-3.4
Total Pkg. & Other Paper	201966	196888	23320	19710	27309	19470	327706	111.9
Unbleached Kraft	63695	27079	11086	4424	12814	4090	153766	558.0
Other Pkg. & Indust. Paper	138271	169809	12234	15287	14495	15380	173940	32.5
Tissue	27905	23934	2586	2413	1590	1443	19075	-30.3
Paperboard, Total	2471843	811232	220971	77758	237758	81382	2853092	49.4
Solid Wood Pulp	2296032	733605	208694	72110	225207	75789	2702486	56.6
Total Linerboard	1644901	434515	153729	45491	165160	47767	1981918	56.5
Bleached Kraft Linerboard	179995	51186	19852	5930	15471	4820	185650	41.1
Unbleached Kraft Linerbd	1464906	383330	133877	39560	149689	42948	1796268	58.3
Other Unbleached Kraft	100301	33739	9394	3407	9037	2932	108449	6.7
Other Bleached Kraft	533472	260142	44884	22876	50093	24786	601110	71.1
Semi-Chemical Corrugating	17358	5208	687	336	918	304	11010	63.1
Recycled Paperboard	175811	77626	12277	5648	12551	5594	150606	-17.9
Wet Machine Board	7371	5146	535	413	506	321	6067	-32.8
Construction Paper & Bd. *	54241	25704	4027	2024	4113	1963	49357	-4.0
Building Paper	33619	14420	2718	1299	2617	1089	31400	-10.1
Insulating Board E	20623	11284	1309	725	1496	874	17957	8.9
Convtd Paper&Paperbd Products	562643	585620	49127	53636	48240	54691	578881	-0.5
Paper Products, Total	332407	427080	26554	37736	28929	38724	347150	20.8
Paperboard Products, Total	230237	158540	22573	15899	19311	15967	231731	-21.3
Notes								
Other: No Weight Avail. ($000)		9803		927		1131	13566	78.9
Total Exports Incl. Other($000)		3357995		336443		305687	3668243	48.2

* Hard Pressed Board (not in total)								
Imports of Hard Pressed Board	260775	39528	21540	2946	16887	2559	202644	-15.7
Exports of Hard Pressed Board	32030	11223	1700	703	2425	862	29100	-16.8

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PAPER AND PAPERBOARD PRODUCTION

CENSUS DATA

(Thousands of Tons)

	YEAR 1977	YEAR 1978	SEPT 1979	OCT. 1979	NOV. 1979	DEC. 1979	Annual Rate Y-T-D 1979	% Change from same Period Last Year
PAPER	R	R			R	P		
Newsprint	3525	3489	299	365	351	324	3798	8.8
Uncoated Groundwood Papers	1589	1569	133	154	142	133	1673	6.6
Coated Papers	4215	4513	373	415	400	382	4669	3.4
Uncoated Free Sheet (1)	7036	7315	602	680	646	605	7499	2.5
Cotton Fiber Paper (1)	111	119	10	11	11	10	127	6.3
Thin Papers	339	350	31	31	31	28	376	7.5
Bleached Bristols	1108	1127	92	95	86	80	1104	-2.0
Tissue Paper	4243	4245	343	392	355	331	4313	1.6
Unbleached Kraft Packaging & Industrial Conv. Papers(1)	4061	3873	327	359	355	308	3927	1.4
Other Paper (1)	1869	1905	141	160	157	134	1767	-7.3
TOTAL PAPER GRADES	28096	28505	2352	2661	2534	2334	29251	2.6
PAPERBOARD								
Solid Wood Pulp Furnish	21580	22500	1816	2030	1982	1738	22812	1.4
Unbleached Kraft Linerboard	12660	13215	1076	1226	1160	1010	13656	3.3
Other Unbl. Kraft Paperboard	837	898	76	80	90	69	1022	13.7
Bleached Kraft Paperboard	3883	4002	327	358	356	317	3946	-1.4
Semi-Chemical Paperboard	4199	4384	337	366	376	342	4189	-4.5
Recycled Paperboard	7426	7534	592	668	624	565	7211	-4.3
TOTAL PAPERBOARD GRADES	29006	30034	2408	2698	2606	2303	30024	-0.0
WET MACHINE BOARD	129	136	13	15	14	16	144	5.6
CONSTR. PAPER & INSUL. BOARD	3255	3332	264	299	265	241	3333	0.0
TOTAL ALL GRADES [Excl. H.P.B.]*	60486	62006	5037	5674	5419	4894	62752	1.2

PRODUCER PRICE INDEXES

1967 = 100

	1978	1979	NOV.	DEC.	JAN.	FEB.		
Pulp, Paper and Products	195.6	218.9	229.3	231.0	237.4	238.9	238.2	14.6
Pulp, Paper & Products, except Waste Paper ♦	195.6	219.1	229.5	231.2	237.6	239.2	238.4	14.7
Total Wood Pulp	266.5	314.7R	339.9	339.9	358.8	358.5	358.7	23.1
Total Paper	206.1	229.6R	242.1	243.0	245.5	247.5	246.5	12.3
Total Paper, exc. Newsprint	199.4	222.9	234.5	234.7	238.0	240.3	239.2	12.0
Newsprint	226.3	249.9	265.1	268.2	268.2	269.4	268.8	13.1
Total Paperboard	179.6	202.1	212.8	215.4	221.8	223.4	222.6	17.6
Total Paper and Paperboard ♦	197.8	220.9R	232.9	234.3	238.1	239.9	239.0	13.9
Converted Products	186.5	209.7	218.4	220.3	227.5	228.7	228.1	14.6
Waste Paper	191.2	206.6	220.0	221.2	222.7	223.2	223.0	15.2
All Commodities	209.3	235.5R	246.9	249.4	254.7	259.8	257.3	15.7
Industrial Commodities	209.4	236.3	250.2	252.8	260.3	265.4	262.9	18.9

(1) - Grade definitions revised by Census as of January 1979. New grades now consistent with API definitions. 1977 and 1978 Census data adjusted by API for comparability with 1979.

* See page 3 for Hard Pressed Board data. ♦ Computed by API P-Preliminary R-Revised

SOURCES: Production - Bureau of Census, U.S. Department of Commerce
Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor

Continued from Page 2

packaging grades. As a result of this, the total production of packaging and industrial converting papers, excluding unbleached kraft plus special industrial papers, which had previously been reported at 1,385,000 tons for 1978, was revised upward to 1,905,000 tons. API uses Census figures for these two grades in its own reported data on total paper production. These revisions have now been incorporated in the API figures for total paper. In earlier reports, we had noted that these 1978 figures were apparently too low, and Census has now corrected that as well as the 1977 figures. However, it now appears that the 1979 reported totals for these grades are themselves too low and will probably be adjusted upward when Census re-surveys companies on their 1979 output.

The following table shows the new Census totals for 1977, 1978 and the preliminary totals for 1979 for the four major sectors of paper and paperboard, together with the revised totals reported by API for these same years.

PAPER AND PAPERBOARD PRODUCTION

(000 Tons)

	1977	1978	1979	1977	1978	1979
Paper	28,096	28,506	29,251	27,682	28,313	29,774
Paperboard	29,006	30,035	30,024	28,953	30,275	31,631
Construction Paper, Wet Machine and Insulating Bd.	3,384	3,468	3,476	3,384	3,468	3,476
Total All Grades	60,486	62,007	62,752	60,018	62,055	64,881

Imports and Exports

Imports of paper, paperboard and products in January 1980 held close to the level of the previous three months and indeed close to the average of all of 1979. Comparisons with the year-ago level also tend to be midleading in that both imports and exports in January 1979 were well below the rates maintained during the last eleven months.

Imports of newsprint, at 619,000 tons, were slightly above the average level of 1979, but imports of most grades of printing and writing papers tended to be below their 1979 average levels. Coated printing and impregnated paper imports were well below their average 1979 level, and even imports of uncoated groundwood papers fell below the 1979 average.

Continued on Page 12

Continued from Page 11

Exports of paper, paperboard and products, on the other hand, were quite strong, coming in about 16% over their average 1979 level. Exports of packaging and industrial papers were particularly high, and unbleached kraft linerboard and bleached kraft paperboard also made good gains.

On a dollar basis, exports were valued at $306 million in January 1980, about 9% over the average 1979 monthly level. The dollar value of imports, at $443 million, was about 11% over the average 1979 monthly level.

Capital Expenditures

The high interest rates of both short and long term securities and the relatively tight money policy of the Federal Reserve System have not made any serious impact on capital expenditure plans of paper and allied products companies for 1980. The Department of Commerce, in a report released in mid-March, reported that expenditures for new plant and equipment by paper and allied products companies would total $6.01 billion in 1980; 23% above the revised total of $4.88 billion spent in 1979. Both these totals were slightly above the earlier estimates published by Commerce. The report also noted that the year-end carry-over of plant and equipment projects in the paper and allied products industry was in excess of $4 billion on a seasonally adjusted basis, also a record high.

Newly released data by The Conference Board on capital appropriations of those paper companies listed among the thousand largest companies in the United States also confirm the immediate gain expected in these expenditures but also gave evidence of moderation in the longer run. The Conference Board reported that capital appropriations by these companies in the fourth quarter of 1979 amounted to $748 million. While this was 14% below the total of the previous quarter and 12% below the year-ago total, it was ranked with the higher quarterly totals of the past six years. In addition, this brought the 1979 total appropriations to $4.3 billion, 36% above the previous high established in 1974 and 55% above the 1978 total. After adjustment for changes in prices, the 1979 total was about 7% below the peak 1974 price adjusted level, but still 47% above the price adjusted 1978 total.

The capital appropriations totals for 1979 were well above the level of capital expenditures by these companies. The backlog of unspent appropriations as of the end of 1979 was at a record high level, both on a current and constant dollar basis. The backlog in current dollars was equivalent to about one and one-half years of capital expenditures. These large companies accounted for about 62% of the total capital expenditures reported for paper and allied products companies in 1979.

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

March 27, 1980

	PRODUCTION (000 TONS)					
	Feb. 1980	Jan. 1980	Feb. 1979	Jan - Feb. 1980	Jan - Feb. 1979	% Change 80/79
PAPER GRADES	P	R				
Newsprint	368	376	308	743	624	19.2
Uncoated Groundwood (s)	114	125	110	239	224	6.5
Coated Paper (s)	377	435	353	811	716	13.3
Uncoated Free Sheet Paper (s)	664	723	593	1388	1215	14.2
Thin Paper (c)	29	31	30	60	61	-1.0
Cotton Fiber Paper (s)	11	12	10	23	20	13.9
Bleached Bristols (c)	79	80	91	159	184	-13.4
Tissue Paper	360	382	349	742	708	4.9
Unbleached Kraft Packaging & Indl. Converting (s)	325	346	319	671	636	5.5
Other Paper (c)	155	155	132	310	269	15.4
TOTAL PAPER	2481	2665	2294	5146	4656	10.5
PAPERBOARD GRADES						
Kraft Linerboard, Unbleached	1162	1213	1081	2375	2213	7.3
Other Kraft Paperboard	87	104	87	191	191	-0.0
Semichemical Paperboard	395	423	347	818	722	13.4
Bleached Paperboard	323	347	328	670	648	3.3
Recycled Paperboard	621	649	608	1270	1255	1.2
TOTAL PAPERBOARD	2587	2737	2451	5324	5029	5.9
CONSTRUCTION & WET MACH GRADES(c)	270	265	270	535	552	-3.0
TOTAL PAPER AND PAPERBOARD	5338	5667	5015	11005	10237	7.5
HARD PRESSED BD.[not in total](c)	155	150	155	305	321	-5.0

WOOD PULP (ALL GRADES)	Feb. 1980	Jan. 1980	Feb. 1979	Jan - Feb. 1980	Jan - Feb. 1979	% Change 80/79
Dissolving & Special Alpha	125	146	92	270	190	42.0
Bleached Sulphite	122	114	84	237	159	49.0
Unbleached Sulphite	32	33	31	64	64	0.8
Bleached & Semi-Bl. Sulph.	1548	1651	1391	3199	2834	12.9
Unbleached Sulphate	1647	1730	1544	3376	3147	7.3
Semichemical	331	353	300	684	620	10.3
Groundwood and Thermo-Mechanical	359	364	341	723	689	4.9
TOTAL PULP DIVISION DATA	4163	4390	3783	8553	7703	11.0
Defib. Exploded & Scrngs E	217	214	224	845	919	-8.0
TOTAL WOOD PULP PRODUCTION	4381	4604	4007	9398	8622	9.0

Note: Paperboard cumulative totals include revisions not available monthly.

(s) - Shipments R - Revised E - Estimate
P - Preliminary (c) - Census Data - Production, last 2 months estimated.

March 31, 1980

	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1978	1979	December	January	February	1980	
Total Production (API).......¦ ¦...	62055	64881	4954	5667	5338	66028	7.5
Total Seasonally Adjusted....¦ excluding ¦...			5538	5632	5439	66427	5.5
Imports (including Products).¦hard pressed¦..E	9117	9125	766	771	735	9035	0.0
Exports (including Products).¦ board ¦..E	3373	3672	335	355	320	4050	31.8
Apparent Consumption.........¦ ¦...	67799Ra	70334 Rb	5970	6048	3854	71412c	3.6
Paper Production % Tonnage Capacity...........	93.0s	95.6s'	86.0	96.9	95.9	97.0sh	
Paperboard Production % Tonnage Capacity......	92.8s	94.8s	81.2	94.0	95.1	94.5s	
	1978	1979	November	December	January	1980	
MARKET WOOD PULP PRODUCTION - Tons (000).........	5165	5723	509	485	562	6740	51.8
TOTAL WOOD PULP PRODUCTION - Tons (000)..(f)....	47228	49717	4255	3874	4390	52676	12.0
WOOD PULP IMPORTS - TONS (000)..................	4025	4324	373	347	365	4381	10.3
WOOD PULP EXPORTS - TONS (000)..................	2599	2935	255	290	212	2549	29.0
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS	1978	1979	November	December	January	1980	
Wood Pulp..(k)............................	47947	50133	4241	3881	4353	52235	7.2
Waste Paper....(d).........................	14760	15400	1397	1258	1289	15464	4.4
Other (Census).............................E	778 R	643	51	47	55	660	-3.5
Total...............	63485 R	66176	5689	5186	5697	68359	6.4
..WOOD PULP - NON PAPER.......................E	884	909	74	75	75	900	-4.3
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	77290	79566	6723	6057	6923	83076	8.1
EMPLOYMENT (000)	1978	1979	December	January	February	1980	
Paper and Allied Products..........Total......	700.9	714.1	714.0	712.2	710.2	711.2	1.4
Pulp, Paper and Board Mills........Total.....E	267.0	271.2	273.1	272.8	272.0	272.4	3.5
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products....................	6.52	7.12	7.48	7.46	7.47	7.47	9.5
Pulp, Paper Mills..........................E	7.44	8.26	8.71	8.69	8.70	8.69	11.2
Paperboard Mills...........................E	7.68	8.38	8.82	8.84	8.85	8.84	10.4
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS	1978	1979	1979 Q4	1980 Q1	1980 Q2	1980	
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	3.46	4.88	5.23	5.52	6.21	6.01y	23.2
INDEX OF OUTPUT PER MAN-HOUR (1967=100).........	1977	1978	October	November	December	1979	
¦IN PULP, PAPER ¦...Production Workers.......RS	148.1	153.9	162.1	163.3	165.5	159.2	3.4
¦AND BOARD MILLS¦...All Employees............RS	144.0	148.4	156.3	157.3	159.2	153.4	3.3
PAPER AND ALLIED PRODUCTS (Million $)	1978	1979	November	December	January	1980	
Industry Shipments (Dept. of Commerce)*.......	57654	66033	5585	5492	6147	73764	23.1
Pulp, Paper and Paperboard*.................	25343	30165	2608	2623	2784	33408	25.5
Inventories (End of Period) - Total Industry*.	5875	6779	6615	6779	6864	6864	17.0
Pulp, Paper and Paperboard*.................	2006	2321	2258	2321	2346	2346	18.8
	1977	1978	1979 Q1	1979 Q2	1979 Q3	1979	
Sales (Corporations Only, FTC)................	45750	48982	12997	13828	14133	54611	13.3
Earnings (Corporations Only, FTC).............	2367	2598	867	917	1162	3928	58.0
Depreciation (Corporations Only, FTC).........	1663	1726	447	479	481	1876	9.8
Net Worth (Corporations Only, FTC)............	19704	20794	21282	21808	22688	22688	12.3
PRICE INDEXES (Bureau of Labor Stats)1967=100	1978	1979	December	January	February	1980	
Total Pulp, Paper and Allied Products.........	195.6	218.9	231.0	237.4	238.9	238.2	14.6
Wood Pulp.....................................	266.5	314.7	339.9	358.8	358.5	358.7	23.1
Waste Paper...................................	191.2	206.6	221.2	222.7	223.2	223.0	15.2
Paper...	206.1	229.6	243.0	245.5	247.5	246.5	12.3
Paperboard....................................	179.6	202.1	215.4	221.8	223.4	222.6	17.6
PAPER DEMAND (INDEXED: 1967=100)	1978	1979	December	January	February	1980	
Total Paper Production *.....................	135.3	142.3	141.7	149.3	143.9	146.6	8.5
Paper New Supply *...........................	132.8	137.8	137.2	142.5	137.6	140.0	5.7
Total End - Use Index *....................	139.5	144.5	145.5	146.1	146.5	146.3	1.4
Production of Nondurable Goods *...(19%)..	157.0	163.3	164.5	165.4	165.5	165.5	2.5
Disposable Income (Constant $) *...(23%)..	145.2	148.5	149.1	149.7	149.0	149.4	0.5
Total Printing and Publishing *...(58%)..	131.5	136.8	137.8	138.4	139.2	138.8	1.4
Trend Factor	----------	----------	----------	--Not Available--	----------	----------	----------
PAPERBOARD DEMAND (INDEXED: 1967=100)	1978	1979				1980	
Total Paperboard Production *...............	132.8	138.8	145.8	143.9	138.8	141.4	4.0
Production for Domestic Use	131.1	136.7	145.7	139.6	135.6	137.6	1.7
Total End - Use Index *....................	147.7	151.6	150.7	150.8	151.6	151.2	-0.3
Production of Consumer Goods *...(60.49%)	149.1	150.3	148.3	147.8	149.2	148.5	-1.7
Production of Equipment *...(6.62%)	132.8	142.1	145.1	145.8	146.1	145.9	4.1
Production of Materials *...(32.89%)	148.3	156.0	156.1	157.2	157.1	157.1	1.3
Trend Factor	----------	----------	----------	--Not Available--	----------	----------	----------
NEWSPRINT MARKETS	1978	1979	November	December	January	1980	
Consumption by Publishers - Tons (000)........	10872	11240	1001	974	870	10436	1.5
Newspaper Pub. and Printing Emp. Total (000)..	407.4	420.7	428.4	429.4	428.9	428.9	3.8
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	115090	119368	12940	10245	7434	89208	2.8
WHOLESALERS SALES AND INVENTORIES (Million $)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	17586	19721	1699	1643	1834	22008	19.2
Inventories (End of Period)	1482	1695	1657	1695	1695	1695	19.0
Paper Only............................Sales	13078	14788	1269	1218	1319	15828	16.5
Inventories (End of Period)	1025	1141	1090	1141	1152	1152	16.8
RETAIL TRADE (Million $)	1978	1979	December	January	February	1980	
Total Retail Sales *.........................	798818	862236	77000	79548	78984	951192	11.7
Nondurable Goods Stores Sales *..............	520902	578966	51247	52517	52252	628614	14.3
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	146.1	152.1	152.2	152.7	153.0	152.9	0.7
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	209.3	235.5	249.4	254.7	259.8	257.3	15.7
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	195.4	217.4	229.9	233.2	236.4	234.8	14.0
	1978	1979	November	December	January	1980	
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	275.6	311.3	307.6	311.3	309.0	309.0	12.2
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).	1977	1978	1979 Q2	1979 Q3	1979 Q4	1979	
G.N.P. or Expenditure - Current $.............	1899.5	2127.6	2329.8	2396.5	2456.9	2368.8	11.3
G.N.P. OR Expenditure - 1972 $................	1340.5	1399.2	1422.3	1433.3	1440.3	1431.6	2.3

lb/capita	Popul.(mil)
.a - 621	218.5
.b - 638	220.4
.c - 644	221.7

.d - 1977 - 12103; 1978 - 12481
. 1979 12,962
. (000 tons) as pub. by Census
.E - Last month estimated by API

f - Wood Pulp Production excludes estimates for def. expl. & scrngs. Prod. was: 1978 - 3,140; 1979 - 3,018; 1980 A.R.Y-T-D 2,568 (000 tons)
s - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
k - Excludes consumption of defib. & expl. pulp for hard p. bd.: '78 - 1,666; '79 - 1,593 (000 tons)

N.A. - Not Available
P - Preliminary
Q - Quarter
R - Revised
RS - Revised Series
y - Full year estimated by U.S. Dept. of Commerce
* - Seasonally adjusted

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MONTHLY STATISTICAL SUMMARY

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260 Madison Avenue New York, N. Y. 10016

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Vol. 58 APRIL 1980 No. 4

New High in Paper and Paperboard Production

Paper and paperboard production in the first quarter of 1980 established a new quarterly high of 16.8 million tons, 5.5% above the first quarter 1979 total. Even though there was one more day in the first quarter of 1980 because of leap year, the seasonally adjusted rate also established a new high at 66.5 million tons per year, 4-½% above the seasonally adjusted rate of the first quarter 1979. However, in the early months of 1979 there were strikes in the industry. A better indication of the trend is the 2-½% increase in the seasonally adjusted rate of production over the 1979 average level.

The rate of paper and paperboard production has been in a general uptrend since at least the first quarter of 1977, when the seasonally adjusted rate of production was at 59.3 million tons per year. Thus, in the space of three years the rate of paper and paperboard production rose by 12.2% or 3.9% per year.

Within the grade structure, the production trends in the first quarter of 1980 continued along the lines evident during the past three years, with the major gains in printing and writing paper grades and in containerboard paperboard grades. The rate of newsprint production in the first quarter of 1980 was 17% over the first quarter 1979 level, reflecting the increases in capacity that came on stream during the course of 1979. Total printing and writing paper

Continued on Page 2

Continued from Page 1

production showed a 9% gain over its year-ago quarter, with the seasonally adjusted rate about 8% ahead of the 1979 average level.

Among the printing/writing paper grades the strongest gains occurred in coated paper and uncoated free sheet papers and in production of cotton fiber papers. Output of unbleached kraft papers, sparked by a strong market for multi-wall sacks and strength in demand for grocers bags and sacks, rose 4-½% over its year-ago level. The 1980 data on other packaging and industrial converting papers as reported by Census appear to be inconsistent with data reported for the early months of 1979, so the percent change over the year-ago has been deleted from the table. Note, however, that the estimated first quarter 1980 rate of 2 million tons per year is about 7-½% above the revised 1978 total. API data on the commodity grades of bleached paper production, i.e., wrapping, bag and sack and converting other than specialty packaging show first quarter production about equal to its year-ago level.

Total paper production in the first quarter of 1980 was at a seasonally adjusted rate of 31 million tons per year, about 4% over the 1979 average level, clearly establishing a new quarterly high on both an adjusted and unadjusted basis. In fact, the 2,708 thousand tons of paper produced in March 1980 appears to have established a new monthly high, moving above the record 2,695 thousand ton high established in January 1980. The highest monthly production total in 1979 was the 2,654 thousand tons produced in October.

While paperboard production was also at fairly high levels, it did not show the strength of the paper grades. The reported first quarter 1980 total of 8.12 million tons was 3.7% ahead of the year-ago level. On a seasonally adjusted basis, the rate was 32.3 million tons per year, 2% over the 1979 annual average rate.

The strongest gains continued, as noted earlier, in the containerboard grades. Production of containerboard for domestic use moved 4% ahead of its year-ago total, compared to a 1% increase in shipments of fiber boxes. However, inventories at both fiber box plants and paperboard mills are still fairly low.

Production of boxboard for domestic use and, indeed, total production of boxboard for all purposes was a little below its year-ago level in the first quarter of 1980. Although total folding boxboard production showed little change from its year-ago level, both bleached and recycled clay coated paperboard were above their year-ago levels.

Continued on Page 11

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

	YEAR		DEC. 1979	JAN. 1980	FEB. 1980	MARCH 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
	1978	1979						
PAPER					R	P		
Newsprint - Production	3768	4062	339	376	368	394	4550	17.1
- Shipments	3779	4066	347	369	367	387	4493	15.6
Printing & Writing	14541	15467	1246	1417	1296	1414	16506	9.0
Groundwood Paper - Shipments	1309	1474	118	125	108	128	1445	3.4
- New Orders	1367	1472	107	156	110	133	1597	5.4
- Unfilled Orders	179	181	181	167	173	179	179	-12.9
Coated Paper - Shipments	4448	4510	366	433	387	416	4943	9.5
- New Orders	4428	4519	364	479	404	375	5029	10.6
- Unfilled Orders	404	436	436	397	422	379	379	-7.4
Unctd Free Sheet - Shipments	7225	7868	635	726	676	735	8548	12.2
- New Orders	7542	7805	602	740	641	697	8312	7.3
- Unfilled Orders	754	688	688	760	786	736	736	-3.4
Thin Paper - Production *	350	376	28	31	29	35	382	0.2
Cotton Fiber Paper - Shipments	114	125	10	12	11	12	143	11.6
Bleached Bristols -Production*	1095	1114	90	89	85	87	1045	-5.1
Tissue Paper - Production	4215	4525	337	384	368	390	4566	2.8
Total Packaging & Other Paper	5789	5754	463	518	505	510	6134	9.5
Unbl. Kraft Paper - Shipments	3884	3963	305	346	335	340	4084	4.6
Other Paper - Production * #	1905	1791	159	172	170	170	2049	NC
TOTAL PAPER-Production-Unadj.	28313	29808	2386	2695	2536	2708	31755	9.2
-Production-S.A.			2509	2634	2570	2564	31072	8.2
PAPERBOARD - PRODUCTION							##	
Solid Wood Pulp Furnish	22790	23947	1774	2088	1966	2130	24734	5.2
Unbl. Kraft Linerboard - Total	13228	14076	1064	1212	1162	1249	14485	5.9
Production for Export	1466	1621	120	175	147	160	1929	29.0
Other Unbl. Kraft Paperboard	1144	1127	58	106	87	107	1198	-2.0
Semichemical Paperboard	4439	4721	358	424	395	425	4976	8.9
Production for Export	119	92	4	11	12	12	138	43.6
Solid Bleached Paperboard	3979	4023	295	347	323	349	4075	0.8
Production for Export	430	466	32	43	47	45	539	20.5
Recycled Paperboard	7485	7683	572	651	621	661	7731	-0.8
Production for Export	22	22	3	2	2	4	34	67.7
TOTAL PAPERBOARD-Prod.-Unadj.	30275	31631	2346	2739	2587	2791	32465	3.7
- Containerboard Prod.(Dom. Use)	17908	19031	1460	1611	1550	1669	19319	4.4
- Boxboard Production (Dom. Use)	6505	5897 ###	428	507	470	511	5953	-2.0
- All Other P'bd Prod.(Dom. Use)	3825	4503 ###	299	390	359	389	4553	-1.9
- Total Paperbd Prod. for Export	2037	2200	159	231	208	222	2640	28.2
TOTAL PAPERBOARD PROD. - S.A.			2773	2739	2637	2691	32267	2.8
WET MACHINE BOARD *	136	144	16	13	15	16	177	35.5
BUILDING PAPERS *	1915	1900	137	136	140	150	1704	-10.2
INSULATING BOARD *	1416	1422	93	96	95	110	1206	-15.4
TOTAL ALL GRADES - Unadjusted	62055	64904	4978	5679	5373	5275	67307	5.5
- Production - S.A.			5562	5614	5423	5520	66539	4.4
HARD PRESSED BD. [not in total]*	2294	2123	137	158	160	170	1950	-3.6

* Census Data - Production. Last two months estimated.
# Production excludes API bleached kraft envelope.
## Includes revisions not available monthly.

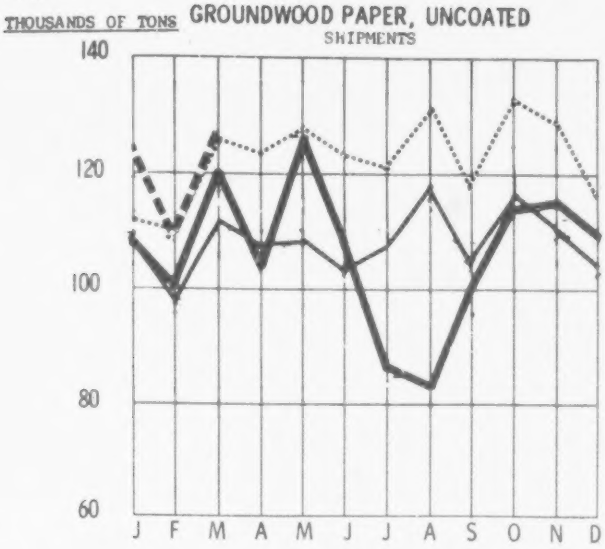
S.A. Seasonally Adjusted
P Preliminary
R Revised

NC Not Comparable to 1979

Data on unbleached kraft folding boxboard for 1979 and 1980 included in All Other Paperboard Prod.(Dom. Use)

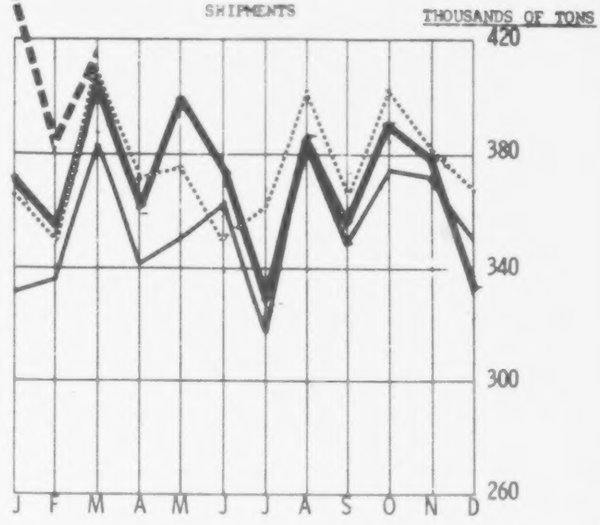
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



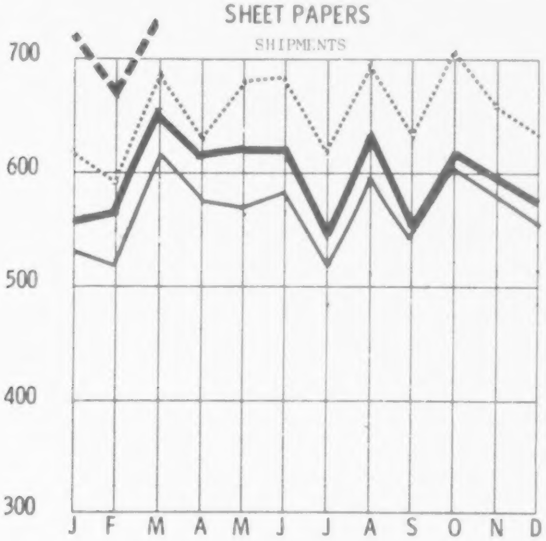
COATED PAPER

SHIPMENTS



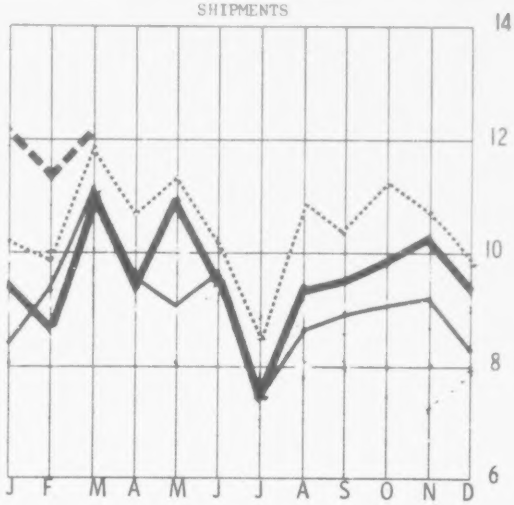
UNCOATED FREE SHEET PAPERS

SHIPMENTS



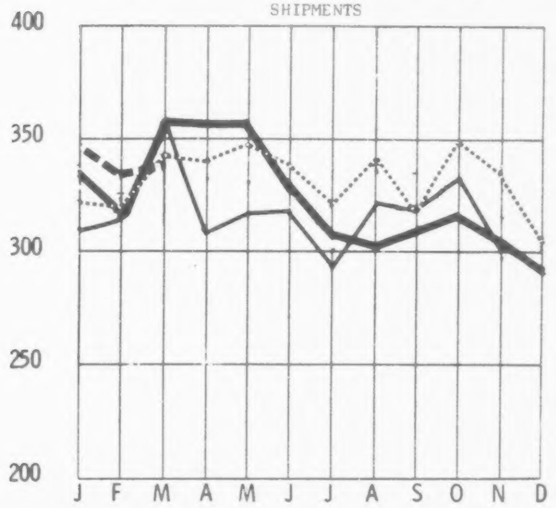
COTTON FIBER PAPER

SHIPMENTS



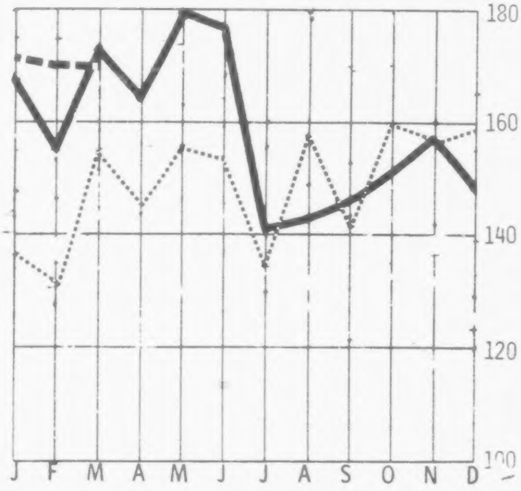
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1977 —— 1978 ▬▬ 1979 ········ 1980 ▬ ▬ ▬

WOOD PULP STATISTICS

(Thousands of Tons)

	YEAR		NOV.	DEC.	JAN.	FEB.	Annual Rate Y-T-D	% Change from same Period Last Year
	1978	1979	1979	1979	1980	1980	1980	
TOTAL WOOD PULP (1)					R	P		
Total Wood Pulp - Production	47228	49717	4255	3874	4390	4163	51318	11.0
- Imports	4025	4324	373	347	365	328	4159	2.3
- Exports	2599	2935	255	290	212	269	2889	32.9
- New Supply	48653	51106	4373	3931	4542	4222	52588	9.3
Dissolving Pulp - Production	1411	1497	130	118	146	125	1622	42.0
- Imports	189	193	20	22	25	21	279	78.6
- Exports	758	764	67	75	43	54	585	-1.7
- New Supply	842	926	83	64	128	92	1316	87.2
Paper Grades Chemical Pulp - Production	37893	39768	3410	3092	3528	3349	41259	10.8
- Imports	3627	3930	340	311	325	301	3755	1.8
- Exports	1780	2100	180	209	160	210	2216	43.7
- New Supply	39740	41597	3570	3194	3693	3440	42797	8.7
Groundwood and Thermo-Mech. - Production	4141	4385	371	355	364	359	4335	4.9
- Imports	208	201	13	14	15	6	125	-43.7
- Exports	62	70	8	6	10	5	88	143.0
- New Supply	4287	4516	376	364	369	360	4372	1.2
Semi-Chemical - Production	3783	4068	344	310	353	331	4102	10.3
- Imports	0	0						
- Exports	0	0	------ Included with Groundwood Pulp ------					
- New Supply	3783	4068	344	310	353	331	4102	10.3
MARKET WOOD PULP								
Total Market Wood Pulp - Production	5165	5723	509	485	562	514	6455	42.9
- Imports	2816	3046	265	233	276	238	3089	3.6
- Exports	2480	2784	249	262	219	272	2944	43.9
- New Supply	5501	5985	525	456	619	481	6600	21.1
Dissolving Pulp - Production	1406	1497	130	117	145	124	1618	39.6
- Imports	291	306	25	16	17	16	196	-36.0
- Exports	824	869	77	86	56	66	731	22.3
- New Supply	873	934	78	48	106	74	1084	24.8
Paper Grades Chemical Pulp - Production	3675	4163	372	362	410	384	4762	42.1
- Imports	2495	2734	240	217	259	221	2882	8.1
- Exports	1613	1870	168	173	155	202	2143	51.6
- New Supply	4557	5027	444	405	514	403	5501	19.5
Groundwood Pulp and All Other - Production	83	63	7	6	6	6	75	1288.9
- Imports	26	7	0	0	1	1	11	80.0
- Exports	42	46	4	4	8	4	71	103.4
- New Supply	67	24	3	2	0	4	15	-164.1

(1) Prodctn excludes defibrated, exploded & screenings-(000 tons): 1978 - 3,140; 1979 - 3,018; A.R.Y-T-D'80 - 2,604

SOURCES: Total Wood Pulp Imports & Exports - Department of Commerce. Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API.

FIBROUS RAW MATERIALS

(Thousands of tons)

CONSUMPTION AT PAPER & BD. MILLS					R	P		
Total	63485	66170	5689	5238	5696	5480	67055	7.1
Total Wood Pulp (2) A	47947	50127	4241	3875	4356	4117	50839	6.5
Market Wood Pulp A	4774	5031	411	401	439	420	5154	1.8
Waste Paper (3) A	14760	15400	1397	1316	1289	1315	15622	10.0
Rags, Straw & Other C, E	778	643	51	47	51	48	594	-10.8
INVENTORIES								
Wood Pulp at Pulp Mills A	130	107	117	107	104	109	109	-21.2
Market Pulp at Pulp Mills A	187	132	158	132	160	140	140	-15.3
Mkt Pulp at Ppr.& Bd. Mills CE	435	426	404	426	416	410	410	17.5
Waste Ppr.at Ppr.&Bd. Mills (4)	740	798	795	798	857	813	813	13.4
Rags, Straw and Other at Paper and Board Mills C, E	66	61	62	61	57	55	55	-6.8
Mkt Wood Pulp Days of Supply A	44	38	38	38	38	35	35	6.6
Wood Pulp Consumption at at Non-Paper Mills C, E	884	909	74	75	74	70	862	-5.8

A - Pulp & Raw Materials Group, API; C - Bureau of the Census; E - Most Recent Month Estimated by API

P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

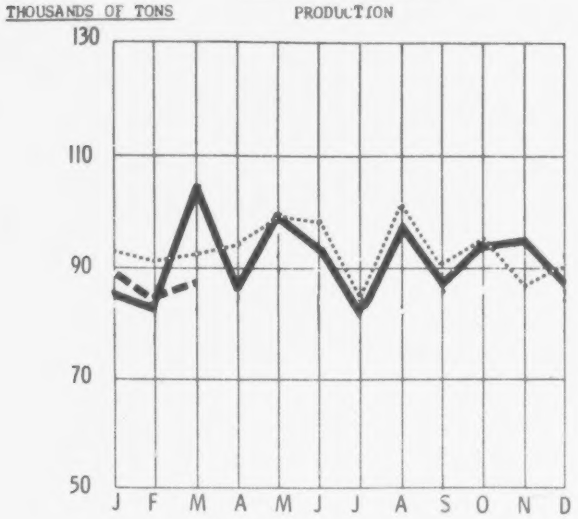
(2) Excludes consumption of defibrated & exploded pulp for hard pressed bd.(000 tons): 1978 - 1,666; 1979 - 1,593

(3) Census Waste Paper Consumption, (000 tons): 1977 - 12,103; 1978 - 12,481; 1979 - 12,962

(4) Census data prior to 1979; more recent data are from the Paper Stock Conservation Committee, A.P.I.

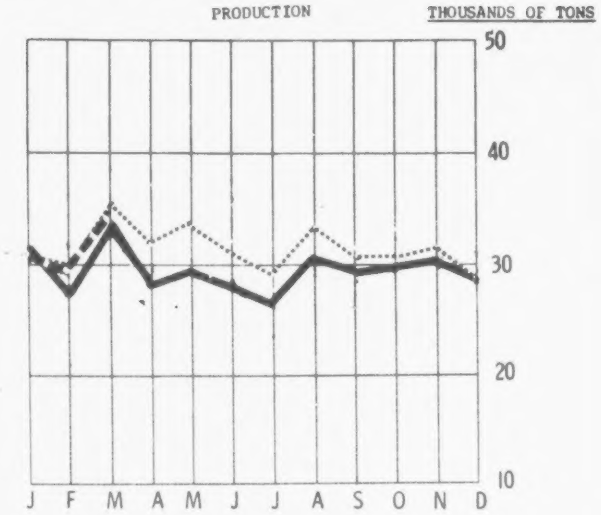
BLEACHED BRISTOLS

PRODUCTION



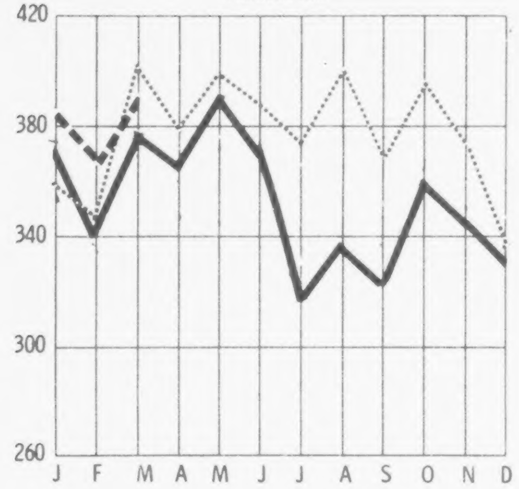
THIN PAPERS

PRODUCTION



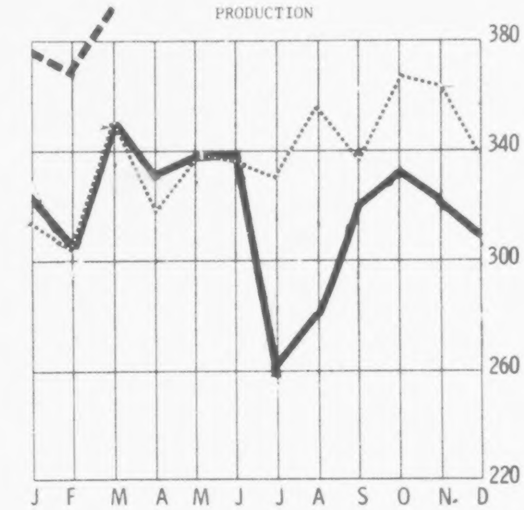
TISSUE PAPER

PRODUCTION



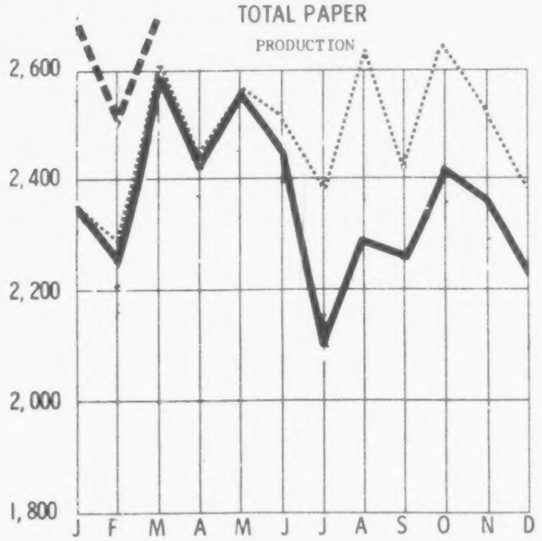
NEWSPRINT

PRODUCTION



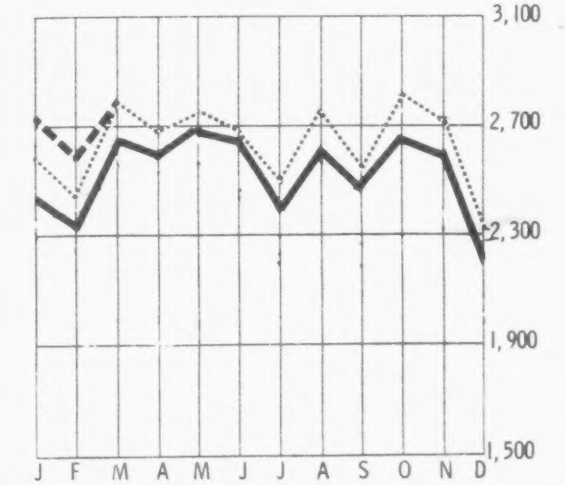
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1977 —— 1978 ▬▬ 1979 ······· 1980 ▬ ▬ ▬

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic foot) Cords)

PULPWOOD		YEAR 1978	YEAR 1979	NOV. 1979	DEC. 1979	JAN. 1980	FEB. 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Total U.S.	- Total Receipts	77025	78625	6557	6479	6906	6996	83412	18.7
	- Total Consumpt.	77290	79566	6723	6057	6923	6614	81222	6.7
	- Residues *	30369	30015	2317	2150	2415	2353	28608	4.4
	- Inventories	6244	5506	5110	5506	5320	5677	5677	5.6
So. Atlantic	- Total Receipts	25353	26126	2202	2103	2248	2195	26658	9.9
	- Total Consumpt	25204	26523	2240	1934	2320	2235	27330	5.8
	- Residues *	8513	8858	718	673	730	694	8544	1.9
	- Inventories	1191	1052	880	1052	997	987	987	3.2
Northeast	- Total Receipts	6664	7461	662	618	735	837	9432	29.5
	- Total Consumpt	6607	7584	681	595	680	635	7890	5.4
	- Residues *	1662	1670	147	113	119	153	1632	-0.4
	- Inventories	770	674	654	674	667	862	862	9.9
South Central	- Total Receipts	25572	26654	2178	2225	2281	2193	26844	12.8
	- Total Consumpt	25678	26432	2154	1999	2275	2171	26676	1.6
	- Residues *	8418	8669	655	616	737	644	8286	-3.8
	- Inventories	1194	1472	1281	1472	1485	1495	1495	75.3
North Central	- Total Receipts	5291	5630	452	569	612	656	7608	47.8
	- Total Consumpt	5330	5535	474	430	459	446	5430	-2.7
	- Residues *	1456	1501	138	117	129	122	1506	13.1
	- Inventories	968	993	857	993	1119	1317	1317	44.7
West	- Total Receipts	14145	12754	1063	964	1030	1115	12870	31.0
	- Total Consumpt	14471	13492	1174	1099	1189	1127	13896	26.5
	- Residues *	10320	9317	659	631	700	740	8640	16.2
	- Inventories	2121	1315	1438	1315	1052	1016	1016	-45.7

* - Consumption of Residues in Cord Equivalents.
SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 1979 Tons	YEAR 1979 $000	JAN. 1980 Tons	JAN. 1980 $000	FEB. 1980 Tons	FEB. 1980 $000	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206050	8867	27971	1142	10445	413	230496	-11.4
Pulpwood Chips	1527734	30440	121955	2847	107012	2594	1373802	13.6
Wood Pulp, Total	4143944	1404354	338458	130286	325339	129445	3982782	1.0
Waste Fibrous Materials, Total	88344	13727	4737	662	6137	1023	65242	-31.9
Paper,Paperboard&Products,Total	8501965	2779223	729169	253302	722768	254706	8711619	2.1
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd. *	8457803	2725085	725411	249553	718664	248789	8664445	2.0
Paper, Total	8015574	2642945	679356	241449	664736	239846	8064547	-0.2
Newsprint	7077209	2249470	610793	209615	600513	208682	7267836	-0.4
Printing,Writing & Rel.Pap.	799355	322818	60840	27667	55632	25009	698835	5.0
Pack. & Ind. Conv. Paper	118815	57854	7141	3832	7714	4540	89131	-16.9
Special Industrial Paper	3157	3324	30	40	170	239	1201	12.5
Tissue Paper	17039	9479	551	295	707	376	7545	-53.0
Paperboard, Total	80636	17653	8789	2085	9900	2577	112129	31.1
Wet Machine Board	1522	703	81	39	112	54	1159	-30.2
Construction Paper and Bd. *	360071	63784	37185	5981	43917	7312	486610	50.0
Convtd Paper&Paperbd Products	44163	54138	3758	3750	4104	5919	47174	26.4

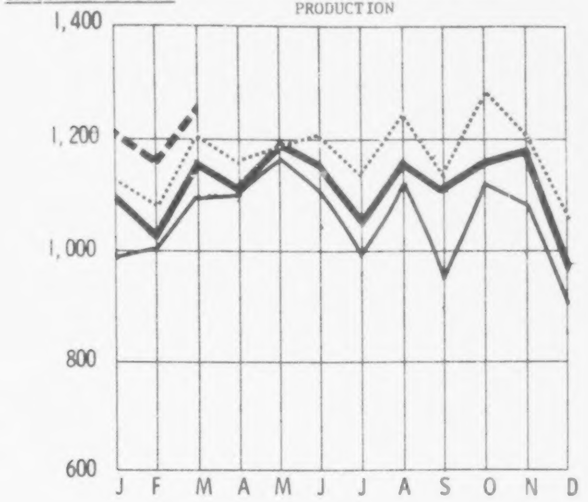
EXPORTS TO CANADA

	YEAR 1979 Tons	YEAR 1979 $000	JAN. 1980 Tons	JAN. 1980 $000	FEB. 1980 Tons	FEB. 1980 $000	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	263367	11446	11477	489	10041	382	129108	-75.7
Pulpwood Chips	87790	3790	1662	46	2061	54	22338	-71.7
Wood Pulp, Total	136641	49608	9068	4157	13576	4011	135864	9.4
Cotton Pulp & Other Pulp	7921	3728	883	473	1403	417	13716	115.5
Waste Paper	478477	50207	37623	3866	49261	4589	521304	46.7
Paper,Paperboard&Products,Total	624928	353202	49153	28900	56767	31998	635519	10.5
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board *	454029	248403	37550	20726	42238	21868	478726	15.1
Paper, Total	181451	142407	17503	12761	21395	14471	233390	38.9
Newsprint	2803	1734	113	126	206	203	1916	-52.5
Printing,Writing & Rel.Pap.	108290	76567	9718	7245	9777	7467	116966	20.5
Pack. & Ind. Conv. Paper	16084	10108	1144	617	2033	1103	19062	5.0
Special Industrial Paper	46773	48173	6354	4571	9005	5345	92158	134.6
Tissue	7502	5825	174	202	374	353	3287	-65.3
Paperboard, Total	230904	83021	17828	6971	17457	6241	211711	3.6
Wet Machine Board	5262	9916	276	148	266	141	3249	-32.9
Construction Pap. & Bd. E *	36411	13059	1943	846	3120	1015	30377	-22.0
Convtd Paper&Paperbd Products	170900	104799	11603	8175	14529	10130	156793	-1.4
* - Hard Pressed Board (not in total)								
Imports of Hard Pressed Bd.	29771	5370	1851	319	3568	697	32514	122.2
Exports of Hard Pressed Bd.	20535	6878	1764	642	1218	456	17892	-34.0

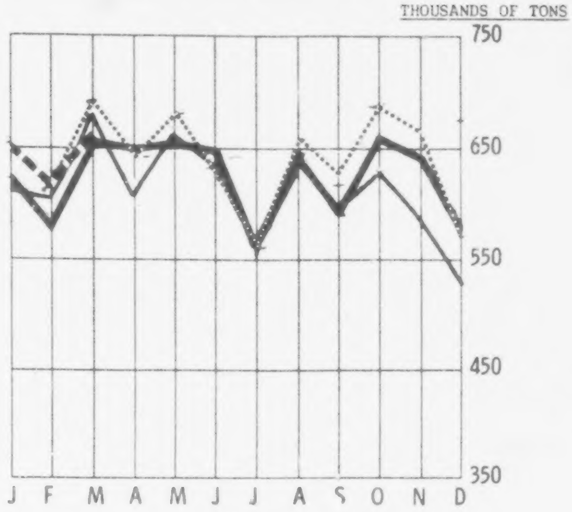
SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

UNBLEACHED KRAFT LINERBOARD

PRODUCTION

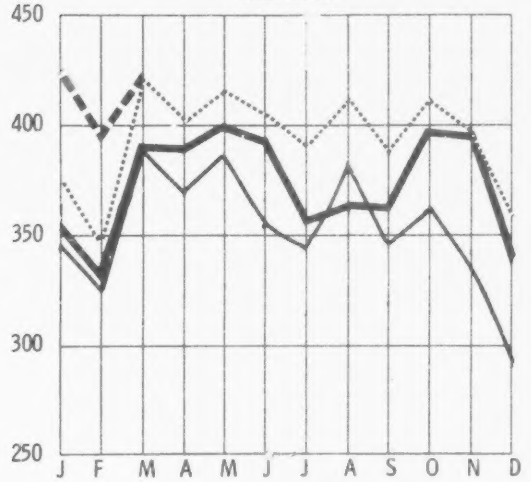


RECYCLED PAPERBOARD



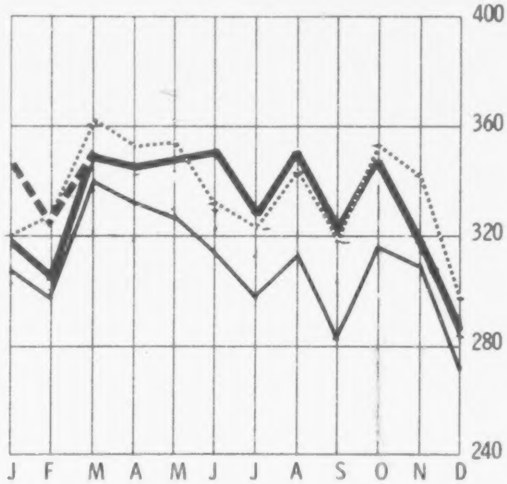
SEMI-CHEMICAL PAPERBOARD

PRODUCTION



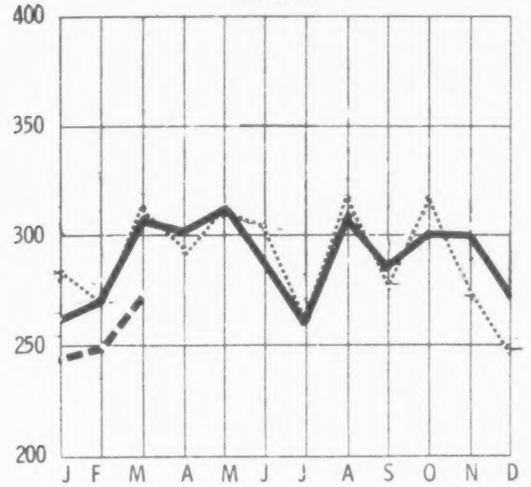
SOLID BLEACHED PAPERBOARD

PRODUCTION



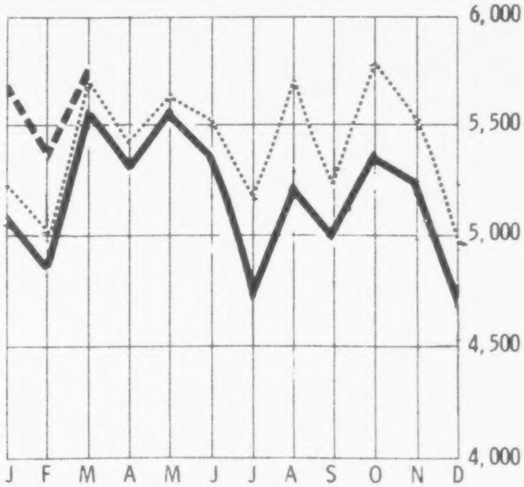
WET MACHINE BOARD AND BUILDING PAPER AND BOARD

PRODUCTION



TOTAL PAPER AND BOARD

PRODUCTION



1977 —— 1978 ━━ 1979 ······· 1980 ▬ ▬ ▬

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1979		JAN. 1980		FEB. 1980		(1) Annual Rate Y-T-D	% Change from same Period
	Tons	$000	Tons	$000	Tons	$000	1980	Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206074	8869	27971	1142	10445	413	230496	-11.4
Pulpwood Chips	1574763	33413	121955	2847	107012	2594	1373802	6.7
Total All Imports	13554749	4693607	1140960	437662	1106920	422900	13487280	1.9
Wood Pulp, Total	4324033	1465169	365057	139708	328147	130628	4159224	2.3
Waste Paper	62310	8625	2491	246	2534	276	30150	-55.7
Other Fibrous Materials	43640	13149	2578	616	4685	1447	43577	-25.6
Paper,Paperbd&Products,Total	9124767	3206665	770834	297092	771554	290548	9254329	2.4
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	9028643	2983554	762596	267544	763850	271964	9158672	2.2
Paper, Total	8561213	2894764	714401	258955	707698	261531	8532595	0.0
Newsprint	7224195	2300450	619158	212650	623609	219653	7456602	0.5
Printing & Writing	1176253	510579	86535	41043	74803	36000	968027	-0.0
Uncoated Groundwood	804598	295996	60603	24944	49900	20879	663015	3.2
Uncoated Book	142674	69291	10206	5728	9078	4751	115701	-5.4
Coated Print.& Impreg. Pap	188846	108590	12917	7706	12981	7652	155386	-9.7
Bristols	2247	1243	40	31	50	248	537	2.6
Writing and Similar Paper	22964	23403	2030	1726	1876	1546	23434	5.1
Thin (except Cigarette)	14924	12057	741	909	918	925	9955	21.9
Total Pkg & Other Paper	143452	74013	8156	4965	8474	5444	99779	-20.7
Unbleached Kraft Paper	66816	23211	3009	1203	2788	1222	34778	-29.3
Other Pkg. & Indust. Paper	76636	50802	5147	3762	5686	4222	65001	-15.3
Tissue	17312	9722	553	297	812	435	8186	-50.8
Paperboard, Total	82203	19111	8858	2182	9946	2360	112819	30.5
Test or Containerboard	25725	6021	4950	1295	4064	1074	54095	90.6
Semi-Chemical Corrugating	33494	5889	2954	542	2870	560	34942	-15.4
Other Paperboard	22984	7201	954	344	3012	1026	23792	42.1
Wet Machine Board	2345	1341	165	106	215	137	2281	-2.7
Construction Paper & Bd. *	382883	68338	39172	6301	45990	7637	510977	49.1
Building Paper	330147	56768	35066	5384	42387	6839	464715	56.9
Insulating Board	21682	4664	1495	318	1780	425	19648	-22.9
Other Building Board	31054	6906	2612	599	1824	373	26614	26.1
Convtd Paper&Paperbd Products	96124	223111	8238	29548	7704	18584	95657	26.1
Paper Products, Total	90317	211663	7787	28646	7235	17721	90130	26.9
Paperboard Products, Total	5807	11447	451	902	470	863	5527	13.8
Notes								
Other: No Weight Avail. ($000)		81899		5807		5240	66278	-7.4
Total Imports Incl. Other($000)		4775506		443169		428140	5229649	23.1

EXPORTS

	YEAR 1979		JAN. 1980		FEB. 1980		(1) Annual Rate Y-T-D	% Change from same Period
	Tons	$000	Tons	$000	Tons	$000	1980	Last Year
Pulpwood, Roundwood (in cords of 128 cu. ft.)	263721	11473	15183	545	10309	398	152952	-71.2
Pulpwood Chips	4498674	197847	308487	18013	422841	25542	4387968	23.3
Total All Exports	8971542	3348192	807407	304557	848758	315907	9936991	35.7
Wood Pulp,Total	2934818	1103556	212395	84743	269173	108358	2889408	32.9
Cotton Pulp and Other Pulp	131444	74579	14896	8494	11494	5911	158340	64.1
Waste and Old Paper	2233246	256108	225011	25444	239221	25071	2785392	40.6
Paper, Paperbd&Products, Total	3672034	1913949	355105	185876	328870	176570	4103851	33.5
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3109390	1328329	306865	131185	279425	124757	3517740	38.8
Paper, Total (2)	600875	507578	66437	49114	56515	48915	737716	43.8
Newsprint	71456	32046	12414	4945	4190	2036	99622	64.4
Printing & Writing	274609	233380	23177	21660	22880	22352	276342	13.8
Uncoated Groundwood	80392	55384	5960	4199	4342	4026	61810	-19.4
Clay Coated Paper	73521	57743	6657	5749	7357	6480	84086	38.5
Uncoated Free Sheet	68159	64146	6206	7118	4972	5919	67068	13.8
Other Printing & Writing	52537	56107	4354	4594	6210	5927	63379	36.5
Total Pkg. & Other Paper (2)	226906	218218	29257	21067	26441	21816	334190	82.5
Unbleached Kraft	63695	27079	12814	4090	9313	3979	132760	182.3
Other Pkg. & Indust. Paper (2)	163211	191138	16444	16976	17128	17837	201430	48.0
Tissue	27905	23934	1590	1443	3004	2712	27563	4.5
Paperboard, Total (2)	2446903	789902	235809	79786	217003	73834	2716876	38.7
Solid Wood Pulp (2)	2271092	712276	223259	74193	205870	68779	2574771	44.3
Total Linerboard	1644901	434515	165160	47767	146780	42886	1871636	37.7
Bleached Kraft Linerboard	179995	51186	15471	4820	12321	3198	166752	-6.7
Unbleached Kraft Linerbd	1464906	383330	149689	42948	134458	39688	1704884	44.4
Other Unbleached Kraft	100301	33739	9037	2932	14896	5281	143602	71.1
Other Bleached Kraft (2)	508532	238813	48144	23189	42454	20111	545586	64.3
Semi-Chemical Corrugating	17358	5208	918	304	1740	501	15946	61.9
Recycled Paperboard	175811	77626	12551	5594	11134	5055	142105	-18.6
Wet Machine Board	7371	5146	506	321	536	270	6247	-21.4
Construction Paper & Bd. *	54241	25704	4113	1963	5370	1738	56901	2.8
Building Paper	33619	14420	2617	1089	2613	701	31381	-17.2
Insulating Board E	20623	11284	1496	874	2757	1037	25520	46.4
Convtd Paper&Paperbd Products	562643	585620	48240	54691	49445	51813	586111	9.0
Paper Products, Total	332407	427080	28929	38724	30176	37947	354633	21.1
Paperboard Products, Total	230237	158540	19311	15967	19269	13866	231478	-5.5
Notes								
Other: No Weight Avail. ($000)		9803		1131		868	11988	42.9
Total Exports Incl. Other($000)		3357995		305687		316775	3734768	46.2

* Hard Pressed Board (not in total)								
Imports of Hard Pressed Board	260775	39528	16887	2559	16699	2891	201516	-17.2
Exports of Hard Pressed Board	32030	11223	2425	862	1397	561	22932	-29.7

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

(2) Resin coated and impregnated grades over 92 lbs moved from Other Bleached Kraft P'bd to Othr Pkg & Ind. Paper

PAPER AND PAPERBOARD PRODUCTION

CENSUS DATA

(Thousands of Tons)

	YEAR 1978	YEAR 1979	OCT. 1979	NOV. 1979	DEC. 1979	JAN. 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
PAPER					R	P		
Newsprint	3489	3797	365	351	323	385	4625	26.8
Uncoated Groundwood Papers	1569	1674	154	142	135	121	1457	-15.3
Coated Papers	4513	4675	415	400	388	415	4981	12.6
Uncoated Free Sheet (1)	7315	7508	680	646	614	689	8268	16.2
Cotton Fiber Paper (1)	119	127	11	11	10	12	149	14.8
Thin Papers	350	376	31	31	28	31	377	2.3
Bleached Bristols	1127	1114	95	86	90	89	1073	-3.5
Tissue Paper	4245	4310	392	355	328	382	4579	15.7
Unbleached Kraft Packaging & Industrial Conv. Papers(1)	3873	3923	359	355	304	342	4106	11.7
Other Paper (1)	1905	1791	160	157	159	172	2068	25.7
TOTAL PAPER GRADES	28505	29295	2661	2534	2378	2640	31682	14.0
PAPERBOARD								
Solid Wood Pulp Furnish	22500	22833	2030	1982	1765	2042	24506	13.1
Unbleached Kraft Linerboard	13215	13685	1226	1160	1039	1187	14249	7.5
Other Unbl. Kraft Paperboard	898	1014	80	90	61	92	1099	11.3
Bleached Kraft Paperboard	4002	3934	358	356	311	350	4199	23.2
Semi-Chemical Paperboard	4384	4200	366	376	354	413	4960	23.4
Recycled Paperboard	7534	7240	668	624	594	643	7720	6.3
TOTAL PAPERBOARD GRADES	30034	30073	2698	2606	2358	2686	32226	11.4
WET MACHINE BOARD	136	144	15	14	16	13	160	51.1
CONSTR. PAPER & INSUL. BOARD	3332	3322	299	265	230	233	2791	-14.8
TOTAL ALL GRADES [Excl. H.P.B.]*	62006	62834	5674	5419	4983	5572	66859	11.2

PRODUCER PRICE INDEXES

1967 = 100

	1978	1979	DEC.	JAN.	FEB.	MARCH		
Pulp, Paper and Products	195.6	219.0	231.0	237.4	238.9	241.6	239.3	14.3
Pulp, Paper & Products, except Waste Paper ‡	195.6	219.1	231.2	237.6	239.2	241.9	239.6	14.4
Total Wood Pulp	266.5	314.5	339.9	358.8	358.5	359.0	358.8	22.7
Total Paper	206.1	229.6	243.0	245.5	247.5	250.5	247.8	12.2
Total Paper, exc. Newsprint	199.4	222.8	234.7	238.0	240.3	244.4	240.9	12.3
Newsprint	226.3	249.9	268.2	268.2	269.4	269.4	269.0	12.1
Total Paperboard	179.6	202.1	215.4	221.8	223.4	225.9	223.7	17.4
Total Paper and Paperboard ‡	197.8	220.9	234.3	238.1	239.9	242.8	240.3	13.8
Converted Products	186.5	209.7	220.3	227.5	228.7	231.3	229.2	14.2
Waste Paper	191.2	206.6	221.2	222.7	223.2	224.9	223.6	13.7
All Commodities	209.3	235.5	249.4	254.7	259.8	261.5	258.7	15.6
Industrial Commodities	209.4	236.4	252.8	260.3	265.4	268.2	264.6	18.9

(1) - Grade definitions revised by Census as of January 1979. New grades now consistent with API definitions. 1977 and 1978 Census data adjusted by API for comparability with 1979.

* See page 3 for Hard Pressed Board data. ‡ Computed by API P-Preliminary R-Revised

SOURCES: Production - Bureau of Census, U.S. Department of Commerce
Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor

Continued from Page 2

Among the other grades of bleached paperboard, production of heavy weight cup stock, bleached paperboard for miscellaneous uses and for export showed strong gains. Recycled boxboard production was down. Gypsum wallboard facing, used largely in residential construction was about 6% below its year-ago level in the first quarter of 1980, and down 12% from March 1979 to Marc h 1980.

Preliminary estimates indicate that production of construction and similar grades of paper and board, strongly influenced by residential housing trends, declined 11% from the first quarter of 1979 to the first quarter of 1980.

Imports, Exports, New Supply

Imports of paper, paperboard and products in the first two months of 1980 were close to their year-ago level and also close to their 1979 average level. However, the 1980 grade pattern was somewhat different than 1979's. Imports of newsprint were up a bit in percentage terms, running about 7.5 million tons a year, compared to 7.2 million tons for the 1979 average. However, imports of printing/writing grades were down sharply. Uncoated groundwood paper imports, in particular, which exceeded 800,000 tons in 1979, were at an annual rate of only 663,000 tons in the first two months of 1980. Imports of uncoated book and printing papers were also down sharply, as were imports of packaging papers. Imports of paperboard were up, but the tonnages were small: the 1979 average was 82,000 tons; the rate in the first two months of 1980 was 113,000 tons per year.

The decline in imports of the printing/writing grades indicates that whatever weakness that has occurred so far this year in the demand for these products was concentrated on the import grades. As noted above, U.S. production of these grades was at record high levels.

Imports of wood pulp, which had shown a strong gain in 1979, climbing to 4.3 million short tons as reported by the Bureau of Census, were fairly strong, running at 4.16 million tons per year in the first two months of 1980.

Exports of paper, paperboard and products in the first two months of 1980 were relatively high, at an annual rate of 4.10 million tons, compared to the 1979 total of 3.67 million tons. Exports of printing/writing grades were close to the average rate for 1979 as a whole. Among the other paper grades, the major increase in exports was in the packaging and special industrial grades, where the rate for the first two months was 334,000 tons per year, compared to the 1979 total of 227,000 tons.

Technical Note: On the basis of a restudy of the products included in the heavier weights of miscellaneous resin coated and impregnated papers, these grades were shifted from bleached kraft paperboard to special industrial papers. The data published on page 9 include these revisions.

Continued on Page 12

Continued from Page 11

The major gains in exports occurred in the paperboard grades. For the first two months of 1980 exports of total paperboard were at an annual rate of 2.7 million tons, compared to 2.45 million tons for all of 1979. The gains were concentrated in total linerboard, other unbleached kraft and bleached kraft paperboard grades.

With the imports showing only modest increases and exports up sharply, the total new supply showed a somewhat smaller increase than did the production. The first quarter 1980 new supply rate is estimated at an annual rate of 71.8 million tons, about 3% over its year-ago level, compared to the 4.4% gain in seasonally adjusted rates of total production. The gain in new supply compares to a gain of only 1% in the real gross national product, no change in total industrial production and a 2% increase in production of non-durable goods for this same period.

Earnings

Net sales of 31 paper and allied products companies reported in the press for the first quarter of 1980 amounted to $9.80 billion, 14% over the corresponding year-earlier total. After-tax profits of these companies, based on continuing operations and before extraordinary gains, rose 5.5%, as the margin on sales declined from 6.4% in the first quarter of 1979 to 5.9% in the first quarter of 1980.

Many of these companies, however, are heavily involved in wood products industries, where sales were severely depressed. The impact of the decline in housing starts and hence in demand for wood products generally, is shown more clearly in reports of income and sales by 4 companies with large holdings in the paper industry but whose major line of activity is outside the paper industry, largely wood products. Their first quarter 1980 sales amounted to $2.96 billion, 11.4% over their first quarter 1979 total. Profits of these companies declined about 19% as their margin on sales dropped from 8.8% in the first quarter of 1979 to 6.4% in the first quarter of 1980.

The Federal Trade Commission has recently released its paper and allied products company data for the fourth quarter of 1979, which permits the calculation of sales and earnings and other financial data for the entire year. The Federal Trade Commission report showed fourth quarter 1979 sales of paper and allied products rose slightly over the third quarter 1979 level, but earnings fell sharply. (See Industry Data Sheet)

These FTC figures show total 1979 sales at paper and allied products companies at $55,359 million, up 13% from the 1978 total. Profits after tax were $3,723 million, 43% above the corresponding 1978 figure. The net cash flow from operations, which includes after-tax profits plus $1,896 million for depreciation, less $974 million in dividends, amounted to $4,645 million. Note that this total fell a little short of the $4,880 million spent by paper and allied products companies on plant and equipment in 1979.

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

APRIL 30, 1980

PRODUCTION (000 TONS)

	March 1980	Feb. 1980	March 1979	Jan -March 1980	Jan -March 1979	% Change 80/79
PAPER GRADES	P	R				
Newsprint	394	368	348	1137	972	17.1
Uncoated Groundwood (s)	128	108	125	361	349	3.4
Coated Paper (s)	416	387	412	1236	1128	9.5
Uncoated Free Sheet Paper (s)	735	676	690	2137	1905	12.2
Thin Paper (c)	35	29	35	95	95	0.2
Cotton Fiber Paper (s)	12	11	12	36	32	11.6
Bleached Bristols (c)	87	85	92	261	275	-5.1
Tissue Paper	390	368	403	1142	1111	2.8
Unbleached Kraft Packaging & Indl. Converting (s)	340	335	340	1021	976	4.6
Other Paper (c)	170	170	156	512	425	NC
TOTAL PAPER	2708	2536	2612	7939	7268	9.2
PAPERBOARD GRADES						
Kraft Linerboard, Unbleached	1248	1162	1205	3621	3418	5.9
Other Kraft Paperboard	107	87	115	299	306	-2.0
Semichemical Paperboard	425	395	421	1244	1142	8.9
Bleached Paperboard	349	323	362	1019	1010	0.8
Recycled Paperboard	661	621	694	1933	1949	-0.8
TOTAL PAPERBOARD	2791	2587	2796	8116	7825	3.7
CONSTRUCTION & WET MACH GRADES(c)	276	250	312	772	863	-10.6
TOTAL PAPER AND PAPERBOARD	5775	5373	5719	16827	15956	5.5
HARD PRESSED BD.[not in total](c)	170	160	185	488	506	-3.6

WOOD PULP (ALL GRADES)	Feb. 1980	Jan. 1980	Feb. 1979	Jan - Feb. 1980	Jan - Feb. 1979	% Change 80/79
Dissolving & Special Alpha	125	146	92	270	190	42.0
Bleached Sulphite	122	114	84	237	159	49.0
Unbleached Sulphite	32	33	31	64	64	0.8
Bleached & Semi-Bl. Sulph.	1548	1651	1391	3199	2834	12.9
Unbleached Sulphate	1647	1730	1544	3376	3147	7.3
Semichemical	331	353	300	684	620	10.3
Groundwood and Thermo-Mechanical	359	364	341	723	689	4.9
TOTAL PULP DIVISION DATA	4163	4390	3783	8553	7703	11.0
Defib. Exploded & Scrngs E	217	217	224	434	467	-7.2
TOTAL WOOD PULP PRODUCTION	4380	4607	4007	8987	8170	10.0

Note: Paperboard cumulative totals include revisions not available monthly.

(s) - Shipments R - Revised E - Estimate NC - Not comparable
P - Preliminary (c) - Census Data - Production, last 2 months estimated.

April 30, 1980

	Full Year		INDUSTRY DATA			Ann. Rate	% From
			R	R	P	Year - To - Date	Same Pd. Last Yr.
PAPER AND PAPERBOARD -- Tons (000)	1978	1979	January	February	March		
Total Production (API).......¦ ¦...	62055	64904	5679	5373	5775	67307	5.5
Total Seasonally Adjusted....¦ excluding ¦...			5642	5473	5520	66539	4.4
Imports (including Products).¦hard pressed¦..E	9117	9125	771	772	800	9370	0.0
Exports (including Products).¦ board ¦..E	3373	3672	355	329	340	4096	23.3
Apparent Consumption.........¦ ¦...	67799 a	70357 Rb	6058	5916	5980	71816c	2.9
Paper Production % Tonnage Capacity...........	93.0s	95.7s	98.0	98.0	97.9	98.4sh	-
Paperboard Production % Tonnage Capacity......	92.8s	94.8s	94.1	95.1	93.1	96.4s	-
			December	January	February		
MARKET WOOD PULP PRODUCTION - Tons (000)........	5165	5723	185	562	514	6455	42.9
TOTAL WOOD PULP PRODUCTION - Tons (000)..(f)....	47228	49717	3874	4390	4163	51318	11.0
WOOD PULP IMPORTS - TONS (000)..................	4025	4324	347	365	328	4159	2.3
WOOD PULP EXPORTS - TONS (000)..................	2599	2935	290	212	269	2989	32.9
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS			December	January	February		
Wood Pulp..(k)...............................	47947	50127	3875	4356	4117	50839	6.5
Waste Paper....(d)...........................	14760	15400	1316	1289	1315	15622	10.0
Other (Census)...............................E	778	643	47	51	48	594	-10.8
Total................	63485	66170	5238	5696	5480	67055	7.1
..WOOD PULP - NON PAPER.........................E	884	909	75	74	70	862	-5.8
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	77290	79566	6057	6923	6614	81222	6.7
EMPLOYMENT (000)			January	February	March		
Paper and Allied Products..........Total......	700.9	714.1	711.8	710.0	711.0	710.9	1.0
Pulp, Paper and Board Mills........Total.....E	267.0	271.2	272.6	271.2	272.0	271.9	2.6
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....................	6.52	7.12	7.48	7.51	7.53	7.51	9.8
Pulp, Paper Mills............................E	7.44	8.26	8.71	8.71	8.73	8.72	11.0
Paperboard Mills.............................E	7.68	8.38	8.83	8.84	8.85	8.84	10.0
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1979 Q4	1980 Q1	1980 Q2		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	3.16	4.88	5.23	5.52	6.21	6.01y	23.2
INDEX OF OUTPUT PER MAN-HOUR (1967=100)..........			November	December	January		
¦IN PULP, PAPER ¦...Production Workers.......RS	153.9	159.4	163.3	168.4	169.7	169.7	7.9
¦AND BOARD MILLS¦...All Employees............RS	148.4	153.6	157.3	161.9	162.9	162.9	8.2
PAPER AND ALLIED PRODUCTS (Million $)			December	January	February		
Industry Shipments (Dept. of Commerce)*.......	57654	66033	5492	6014	5796	70860	15.0
Pulp, Paper and Paperboard*.................	25343	30165	2623	2697	2793	32940	20.3
Inventories (End of Period) - Total Industry*.	5875	6779	6779	6842	7112	7112	20.5
Pulp, Paper and Paperboard*.................	2006	2321	2321	2355	2423	2423	21.9
	1977	1978	1979 Q2	1979 Q3	1979 Q4		
Sales (Corporations Only, FTC)................	45750	48982	13828	14133	14401	55359	13.0
Earnings (Corporations Only, FTC).............	2367	2598	917	1162	778	3724	43.3
Depreciation (Corporations Only, FTC).........	1663	1726	479	481	489	1896	9.8
Net Worth (Corporations Only, FTC)............	19704	20794	21808	22688	23206	23206	11.6
PRICE INDEXES (Bureau of Labor Stats)1967=100			January	February	March		
Total Pulp, Paper and Allied Products.........	195.6	219.0	237.4	238.9	241.6	239.3	14.3
Wood Pulp.....................................	266.5	314.5	358.8	358.5	359.0	358.8	22.7
Waste Paper...................................	191.2	206.6	222.7	223.2	224.9	223.6	13.7
Paper...	206.1	229.6	245.5	247.5	250.5	247.8	12.2
Paperboard....................................	179.6	202.1	221.8	223.4	225.9	223.7	17.4
PAPER DEMAND (INDEXED: 1967=100)			January	February	March		
Total Paper Production *.....................	135.3	142.4	150.9	147.2	146.9	148.4	8.2
Paper New Supply *...........................	132.9	137.9	143.7	140.9	140.8	141.8	4.9
Total End - Use Index *......................	139.5	144.5	146.5	146.9	146.4	146.6	1.5
Production of Nondurable Goods *...(19%)..	157.0	163.3	165.8	165.3	164.3	165.1	2.0
Disposable Income (Constant $) *...(23%)..	145.2	148.5	149.6	148.9	148.3	148.9	0.1
Total Printing and Publishing *...(58%)..	131.5	136.8	138.9	140.0	139.7	139.5	1.8
Trend Factor	-------------------	----------	----------	--Not Available--	----------	----------	----------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *................	132.8	138.8	144.0	138.7	141.5	141.4	2.8
Production for Domestic Use	131.1	136.7	139.8	135.4	137.6	137.6	1.0
Total End - Use Index *../..................	147.7	151.6	151.0	151.1	150.1	150.7	-1.0
Production of Consumer Goods *...(60.49%)	149.1	150.3	148.5	149.3	148.1	148.6	-2.0
Production of Equipment *...(6.62%)	132.8	142.1	145.7	146.0	145.9	145.9	3.7
Production of Materials *...(32.89%)	148.3	156.0	156.7	155.5	154.5	155.6	0.0
Trend Factor	-------------------	----------	----------	--Not Available--	----------	----------	----------
NEWSPRINT MARKETS			December	January	February		
Consumption by Publishers - Tons (000)........	10872	11240	974	870	874	10463	2.3
Newspaper Pub. and Printing Emp. Total (000)..	407.4	420.7	429.4	428.4	429.5	429.0	3.5
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	115090	118960	10245	7434	8496	95580	4.5
WHOLESALERS SALES AND INVENTORIES (Million $)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	17586	19721	1643	1937	1777	21684	19.8
Inventories (End of Period)	1482	1695	1695	1670	1691	1691	15.2
Paper Only...........................Sales	13078	14788	1218	1330	1303	15798	18.0
Inventories (End of Period)	1025	1141	1141	1137	1155	1155	14.4
RETAIL TRADE (Million $)			January	February	March		
Total Retail Sales *.........................	799054	884107	79464	78209	77223	939584	9.5
Nondurable Goods Stores Sales *..............	518190	576882	52196	51625	51667	621952	12.7
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	146.1	152.1	152.7	152.4	151.2	152.1	-0.0
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	209.3	235.5	254.7	259.8	261.5	258.7	15.6
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	195.4	217.4	233.2	236.4	239.8	236.5	14.3
			December	January	February		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	275.6	311.3	311.3	309.0	308.7	308.7	11.8
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1979 Q3	1979 Q4	1980 Q1		
G.N.P. or Expenditure - Current $.............	2127.6	2368.8	2396.5	2456.9	2520.3	2520.3	10.0
G.N.P. OR Expenditure - 1972 $................	1399.2	1431.6	1433.3	1440.3	1444.2	1444.2	1.0

lb/capita	Popul.(mil)
.a - 621	218.5
.b - 638	220.4
.c - 648	221.7

.d - 1977 - 12103; 1978 - 12481
, 1979 12,956
, (000 tons) as pub. by Census
.E - Last month estimated by API

f - Wood Pulp Production excludes estimates for def. expl. & scrngs. Prod. was: 1978 - 3,140; 1979 - 3,017; 1980 A.R.Y-T-D 2,604 (000 tons)
s - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
k - Excludes consumption of defib. & expl. pulp for hard p. bd.: '78 - 1,666; '79 - 1,593 (000 tons)

N.A. - Not Available
P - Preliminary
Q - Quarter
R - Revised
RS - Revised Series
y - Full year estimated by U.S. Dept. of Commerce
* - Seasonally adjusted

/ A2500-2A

MONTHLY STATISTICAL SUMMARY

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Vol. 58 MAY 1980 No. 5

Production Rates Easing Downward

Production of paper and paperboard in April was about 5.4 million tons, roughly equal to the April 1979 total. On a seasonally adjusted basis the April 1980 production was at a rate of about 63-½ million tons per year, 4-½% below the record high of 66.6 million tons per year achieved in the first quarter of 1980.

Paper production in April maintained a stronger trend than did paperboard. The seasonally adjusted rate of paper production in April was only about 2% below its first quarter high; paperboard production fell off by about 6-½%. Moreover, the weekly rate of paperboard production in the first six weeks of the current quarter was somewhat erratic. In the last week of April the weekly production was reported at 645,000 tons, which was a record high total, while three weeks earlier, production was 13% below that level. The trend in paper production has been more stable, fluctuating in a range of from 594,000 tons to 612,000 tons per week.

Weekly data on orders for printing and writing papers showed that the backlog of uncoated free sheet orders has been moving downward since the beginning of March. Shipments held to fairly high levels, while new orders did not start to ease until early April. As of the end of April, the rate of new orders was about equal to its 1979 average.

Continued on Page 2

Continued from Page 1

The uncoated groundwood paper unfilled order backlog, by way of contrast, held steady through the middle of April, and only started downward toward the end of the month. New orders were fairly erratic during the first quarter of the year but did fluctuate around a fairly high level. As of the end of April they too, were close to their 1979 average.

Production of paperboard, however, which had been at record high levels in the first quarter of the year, fell off more sharply in April. As has often been the case, the solid wood pulp grades - bleached and unbleached kraft plus semichemical paperboards - were relatively stronger than the recycled grades. The rate of solid wood pulp paperboard production in April was 3-½% below its first quarter level, while recycled paperboard showed an 11-½% decline. The weakness evident in solid wood pulp paperboard grades reflects, to some extent, similar weakness in the demand for corrugated shipping containers. The trend of corrugated shipping containers apparently peaked during the first quarter of 1980 and started to move down in April. The seasonally adjusted rate of fiber box shipments in April was 5% below the average level for the first quarter of 1980, although the average rate of shipments for the first four months of 1980 was close to the average rate for all of 1979.

These trends may be compared with trends in total industrial production. For example, total industrial production in the first quarter of 1980 averaged out very close to its third and fourth quarter 1979 level, but the month-to-month trend during that quarter moved downward. The April 1980 seasonally adjusted rate was 1.5% below its year-ago level and 2.4% below its first quarter 1980 average. However, non-durable consumer goods, which includes most of the major paper and paperboard packaging markets was a shade above its year-ago level in April 1980, but 1.2% below its first quarter 1980 average.

New Supply

Imports and exports of paper, paperboard and products both strengthened significantly in March from their January-February level. Among the import grades, the major gain

Continued on Page 11

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

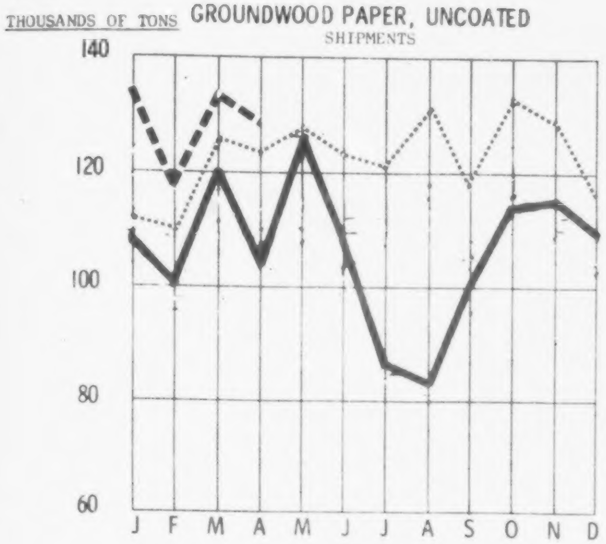
	YEAR 1978	YEAR 1979	JAN. 1980	FEB. 1980	MARCH 1980	APRIL 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
PAPER					R	P		
Newsprint - Production	3768	4062	376	368	394	374	4534	17.1
- Shipments	3779	4066	369	367	387	374	4492	15.8
Printing & Writing	14581	15539	1399	1313	1410	1316	16314	7.1
Groundwood Paper - Shipments	1349	1530	135	117	134	129	1543	4.9
- New Orders	1408	1527	169	119	138	118	1631	6.8
- Unfilled Orders	184	188	180	186	185	170	170	-15.9
Coated Paper - Shipments	4448	4525	416	390	415	372	4778	5.7
- New Orders	4428	4535	460	407	373	398	4915	6.9
- Unfilled Orders	404	438	381	426	377	408	408	-7.9
Unctd Free Sheet - Shipments	7225	7868	716	681	728	682	8420	10.4
- New Orders	7542	7805	730	646	686	652	8138	6.2
- Unfilled Orders	754	688	749	791	719	711	711	-3.8
Thin Paper - Production *	350	376	31	29	35	32	384	0.8
Cotton Fiber Paper - Shipments	114	125	12	12	11	11	137	6.6
Bleached Bristols -Production*	1095	1114	89	85	87	90	1054	-4.7
Tissue Paper - Production	4215	4525	384	368	399	375	4576	2.3
Total Packaging & Other Paper	5789	5725	519	495	516	485	6048	7.5
Unbl. Kraft Paper - Shipments	3884	3934	346	335	346	330	4072	4.0
Other Paper - Production * #	1905	1791	173	160	170	155	1976	15.6
TOTAL PAPER-Production-Unadj.	28353	29851	2678	2544	2719	2550	31472	7.8
-Production-S.A.			2618	2577	2575	2535	30913	6.9
PAPERBOARD - PRODUCTION							##	
Solid Wood Pulp Furnish	22790	23947	2081	1959	2123	1995	24471	3.1
Unbl. Kraft Linerboard - Total	13228	14076	1216	1162	1248	1170	14386	4.4
Production for Export	1466	1621	176	147	160	148	1894	25.1
Other Unbl. Kraft Paperboard	1144	1127	98	82	104	91	1127	-8.9
Semichemical Paperboard	4439	4721	422	393	424	408	4937	6.6
Production for Export	119	92	11	12	12	9	130	36.0
Solid Bleached Paperboard	3979	4023	345	321	348	326	4021	-1.7
Production for Export	430	466	43	47	45	40	525	16.1
Recycled Paperboard	7485	7683	658	628	668	584	7612	-2.2
Production for Export	22	22	2	2	4	5	40	98.8
TOTAL PAPERBOARD-Prod.-Unadj.	30275	31631	2738	2586	2790	2579	32083	1.8
- Containerboard Prod.(Dom. Use)	17908	19031	1606	1549	1669	1576	19199	3.0
- Boxboard Production (Dom. Use)	6505	5897	516	470	511	469	5896	-3.3
- All Other P'bd Prod.(Dom. Use)	3825	4503	386	358	389	333	4399	-5.7
- Total Paperbd Prod. for Export	2037	2200	231	209	222	201	2590	24.4
TOTAL PAPERBOARD PROD. - S.A.			2738	2637	2691	2514	31739	1.0
WET MACHINE BOARD *	136	144	14	12	14	13	158	23.0
BUILDING PAPERS *	1915	1900	141	145	150	145	1744	-8.2
INSULATING BOARD *	1416	1422	96	100	110	110	1248	-13.0
TOTAL ALL GRADES - Unadjusted	62095	64947	5667	5387	5783	5397	66704	3.9
- Production - S.A.			5631	5488	5528	5302	65846	3.0
HARD PRESSED BD. [not in total]*	2294	2123	158	158	170	175	1982	-4.7

* Census Data - Production. Last two months estimated.	S.A.	Seasonally Adjusted
# Production excludes API bleached kraft envelope.	P	Preliminary
## Includes revisions not available monthly.	R	Revised

Data for unbleached kraft folding boxboard for 1979 and 1980 included in All Other.

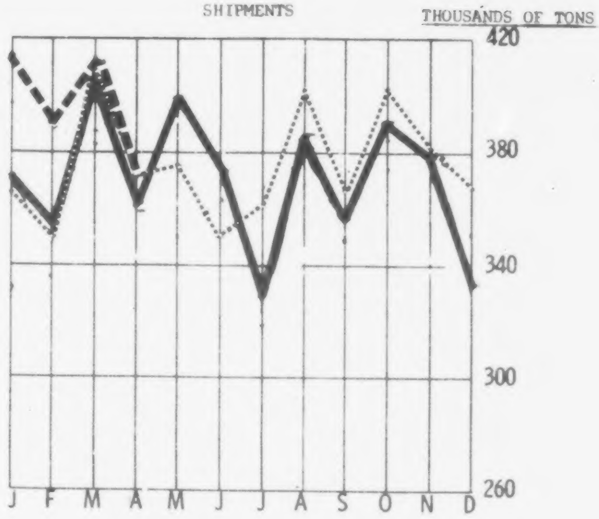
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



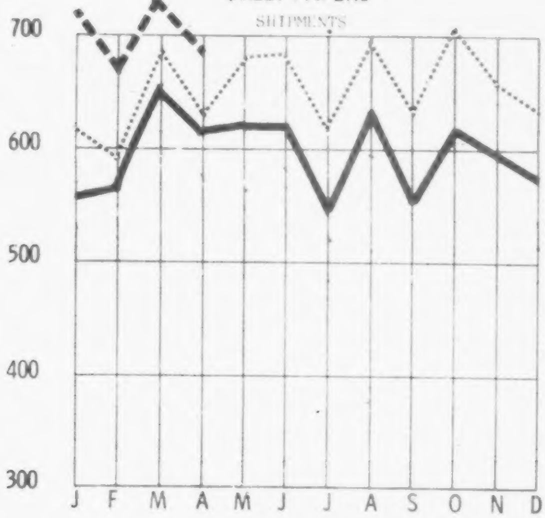
COATED PAPER

SHIPMENTS



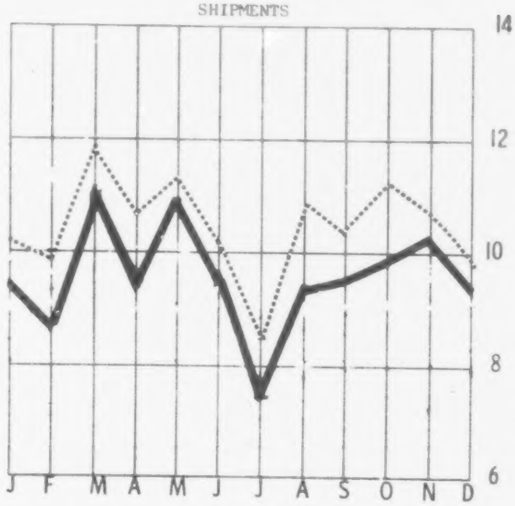
UNCOATED FREE SHEET PAPERS

SHIPMENTS



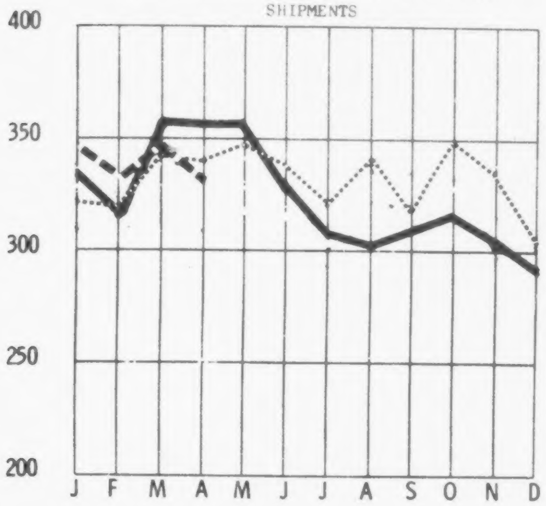
COTTON FIBER PAPER

SHIPMENTS



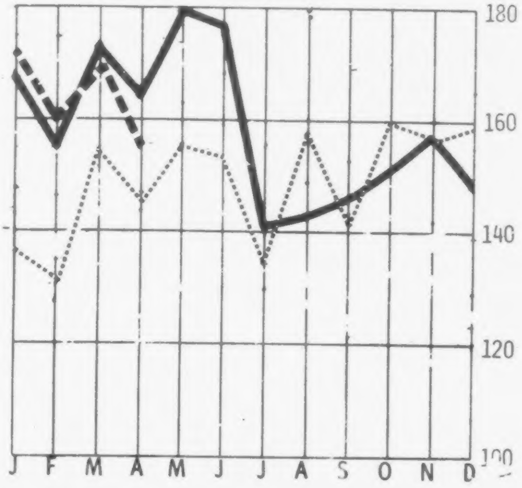
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1978 ▬▬ 1979 ········ 1980 ▬ ▬ ▬

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR		DEC. 1979	JAN. 1980	FEB. 1980	MARCH 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
	1978	1979						
TOTAL WOOD PULP (1)					R	P		
Total Wood Pulp - Production	47228	49743	3885	4391	4153	4496	52157	8.6
- Imports	4025	4324	347	365	328	445	4553	6.6
- Exports	2599	2935	290	212	269	321	3209	39.4
- New Supply	48653	51133	3942	4543	4212	4621	53501	7.0
Dissolving Pulp - Production	1411	1497	118	146	125	134	1616	27.5
- Imports	189	193	22	25	21	21	269	14.7
- Exports	758	764	75	43	54	91	753	18.2
- New Supply	842	926	64	128	92	63	1131	30.9
Paper Grades Chemical Pulp - Production	37893	39785	3099	3528	3337	3604	41877	8.5
- Imports	3627	3930	311	325	301	396	4087	6.2
- Exports	1780	2100	209	160	210	220	2357	44.9
- New Supply	39740	41614	3201	3694	3428	3780	43606	6.9
Groundwood and Thermo-Mech. - Production	4141	4394	359	364	359	394	4466	3.7
- Imports	208	201	14	15	6	28	197	3.8
- Exports	62	70	6	10	5	10	98	163.2
- New Supply	4287	4525	367	369	360	413	4565	2.4
Semi-Chemical - Production	3783	4068	310	353	332	365	4198	8.7
- Imports	0	0						
- Exports	0	0	------ Included with Groundwood Pulp ------					
- New Supply	3783	4068	310	353	332	365	4198	8.7
MARKET WOOD PULP								
Total Market Wood Pulp - Production	5126	5667	481	556	511	544	6444	32.3
- Imports	2816	3046	233	276	238	300	3260	3.5
- Exports	2480	2784	262	219	272	301	3168	41.0
- New Supply	5462	5930	451	613	477	543	6536	13.2
Dissolving Pulp - Production	1406	1497	117	145	124	134	1613	26.4
- Imports	291	306	16	17	16	17	197	-51.6
- Exports	824	869	86	56	66	97	876	28.2
New Supply	873	934	48	106	74	53	935	-6.6
Paper Grades Chemical Pulp - Production	3644	4107	357	404	378	403	4742	32.7
- Imports	2495	2734	217	259	221	279	3037	11.0
- Exports	1613	1870	173	155	200	202	2227	45.3
- New Supply	4525	4971	401	508	400	480	5552	16.3
Groundwood Pulp and All Other - Production	76	64	7	6	8	8	88	309.3
- Imports	26	7	0	1	1	5	26	282.4
- Exports	42	46	4	8	6	3	66	107.6
- New Supply	59	25	3	0	3	10	49	-1625.0

(1) Prodctn excludes defibrated, exploded & screenings-(000 tons): 1978 - 3,140; 1979 - 3,018; A.R.Y-T-D'80 - 2,7(4

SOURCES: Total Wood Pulp Imports & Exports - Department of Commerce. Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API.

FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & BD. MILLS					R	P		
Total	63449	66199	5360	5733	5398	5882	68053	5.4
Total Wood Pulp (2) A	47911	50156	3885	4357	4100	4545	52006	5.8
Market Wood Pulp A	4774	5031	401	441	418	440	5194	1.0
Waste Paper (3) A	14760	15400	1427	1324	1246	1286	15423	4.8
Rags, Straw & Other C, E	778	643	47	53	51	52	624	-9.3
INVENTORIES								
Wood Pulp at Pulp Mills A	130	107	107	105	109	115	115	-11.6
Market Pulp at Pulp Mills A	187	132	132	160	140	143	143	-11.6
Mkt Pulp at Ppr.& Bd. Mills CE	435	426	426	418	418	400	400	3.4
Waste Ppr.at Ppr.&Bd. Mills (4)	740	798	798	905	818	756	756	-2.8
Rags, Straw and Other at Paper and Board Mills C, E	66	61	61	57	56	55	55	-14.1
Mkt Wood Pulp Days of Supply A	44	38	38	38	36	36	36	-0.7
Wood Pulp Consumption at at Non-Paper Mills C, E	884	909	75	74	70	72	864	-6.9

A - Pulp & Raw Materials Group, API; C - Bureau of the Census; E - Most Recent Month Estimated by API

P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

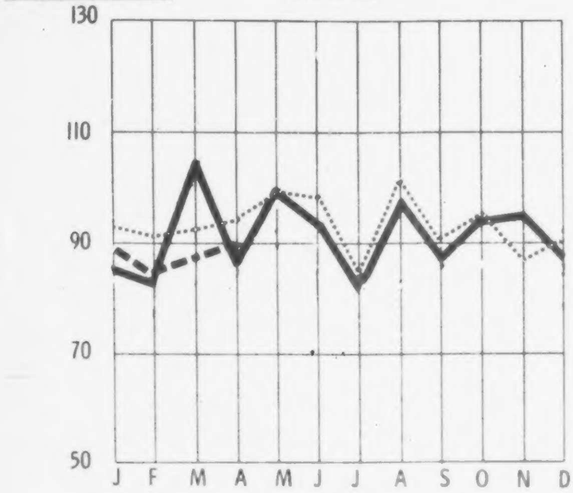
(2) Excludes consumption of defibrated & exploded pulp for hard pressed bd.(000 tons): 1978 - 1,666; 1979 - 1,593

(3) Census Waste Paper Consumption, (000 tons): 1978 - 12,481; 1979 - 12,962; Jan-Feb '80 A.R. - 12,666

(4) Census data prior to 1979; more recent data are from the Paper Stock Conservation Committee, A.P.I.

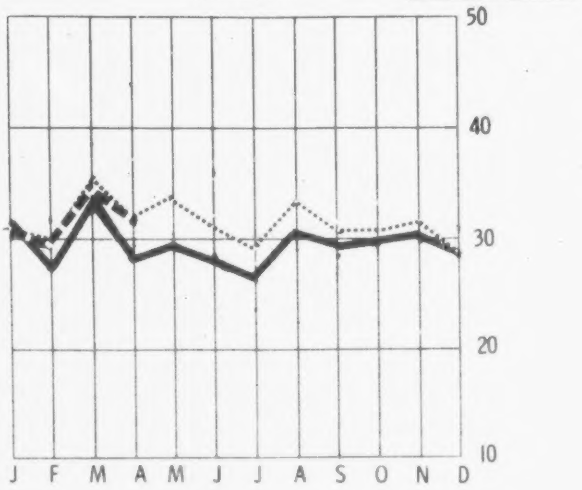
BLEACHED BRISTOLS

PRODUCTION



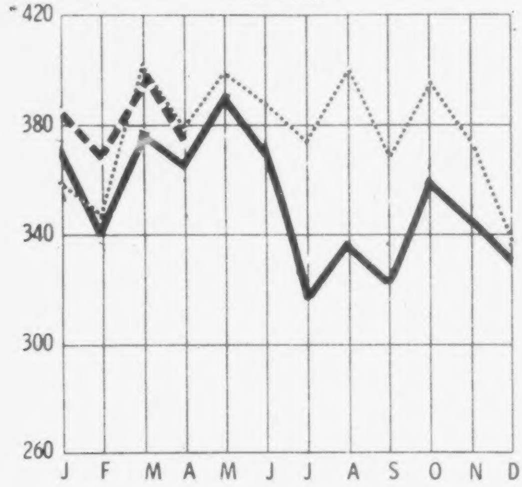
THIN PAPERS

PRODUCTION



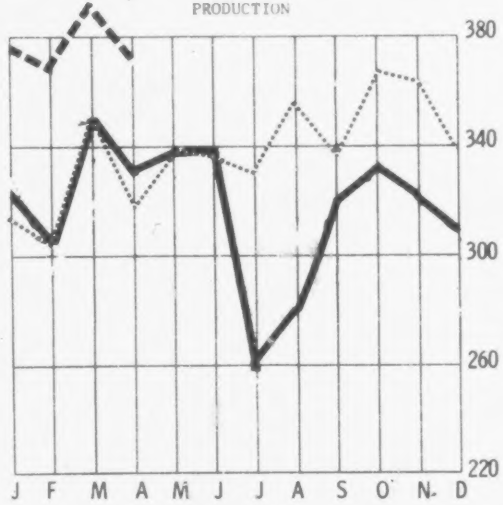
TISSUE PAPER

PRODUCTION



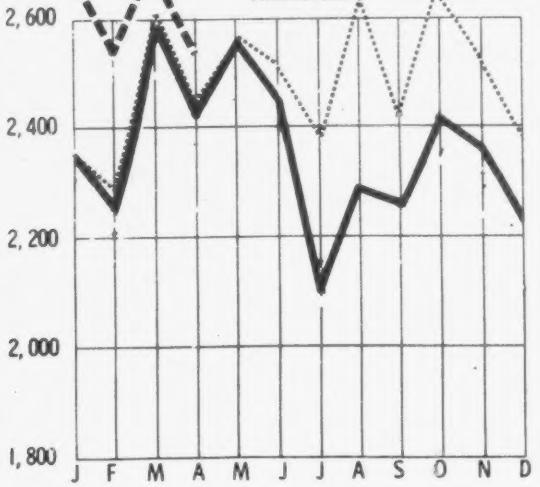
NEWSPRINT

PRODUCTION



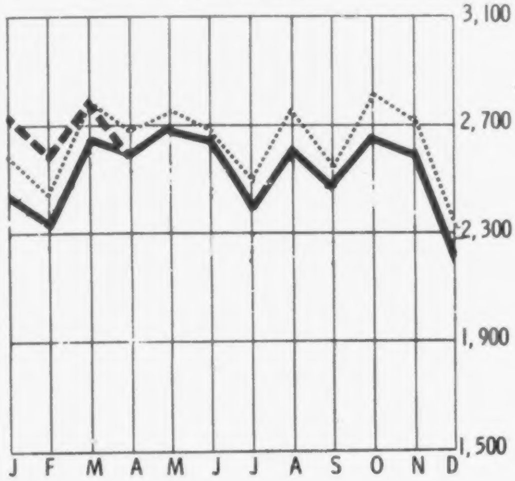
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1978 ▬▬ 1979 ········ 1980 ▬ ▬ ▬

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic foot) Cords)

		YEAR 1978	YEAR 1979	DEC. 1979	JAN. 1980	FEB. 1980	MARCH 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	77025	78625	6479	6906	6996	6895	83188	13.2
	- Total Consumpt.	77290	79566	6057	6923	6614	7044	82324	4.9
	- Residues *	30369	30015	2150	2415	2353	2491	29036	2.2
	- Inventories	6244	5506	5506	5320	5677	5555	5555	8.8
So. Atlantic	- Total Receipts	25353	26126	2103	2248	2195	2209	26608	5.7
	- Total Consumpt	25204	26523	1934	2320	2235	2388	27772	6.2
	- Residues *	8513	8858	673	730	694	760	8736	-0.2
	- Inventories	1191	1052	1052	997	987	823	823	-16.7
Northeast	- Total Receipts	6664	7461	618	735	837	666	8952	18.9
	- Total Consumpt	6607	7584	595	680	635	682	7988	2.4
	- Residues *	1662	1670	113	119	153	146	1672	0.2
	- Inventories	770	674	674	667	862	965	965	16.7
South Central	- Total Receipts	25572	26654	2225	2281	2193	2202	26704	5.6
	- Total Consumpt	25678	26432	1999	2275	2171	2289	26940	0.6
	- Residues *	8418	8669	616	737	644	662	8172	-7.8
	- Inventories	1194	1472	1472	1485	1495	1400	1400	53.3
North Central	- Total Receipts	5291	5630	569	612	656	558	7304	39.6
	- Total Consumpt	5330	5535	430	459	446	449	5416	-5.8
	- Residues *	1456	1501	117	129	122	112	1452	8.4
	- Inventories	968	993	993	1119	1317	1436	1436	65.8
West	- Total Receipts	14145	12754	964	1030	1115	1260	13620	32.8
	- Total Consumpt	14471	13492	1099	1189	1127	1236	14208	18.6
	- Residues *	10320	9317	631	700	740	811	9004	15.5
	- Inventories	2121	1315	1315	1052	1016	1031	1031	-35.5

* - Consumption of Residues in Cord Equivalents.
SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 1979 Tons	YEAR 1979 $000	FEB. 1980 Tons	FEB. 1980 $000	MARCH 1980 Tons	MARCH 1980 $000	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206050	8867	10445	413	26832	1161	260992	29.9
Pulpwood Chips	1527734	30440	107012	2594	171262	4183	1600916	22.2
Wood Pulp, Total	4143944	1404354	325339	129445	414810	163372	4314428	4.8
Waste Fibrous Materials, Total	88344	13727	6137	1023	6513	1015	69548	-11.9
Paper,Paperboard&Products,Total	8501965	2779223	722768	254706	798245	279896	8960726	1.8
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd. *	8457803	2725085	718664	248788	794240	273687	8913256	1.8
Paper, Total	8015574	2642945	664736	238846	733262	263870	8309412	-0.4
Newsprint	7077209	2249470	600513	208682	676375	236234	7550724	1.2
Printing,Writing & Rel.Pap.	799355	322818	55632	25009	46149	21480	650496	-13.4
Pack. & Ind. Conv. Paper	118815	57854	7714	4540	10163	5754	100074	-17.6
Special Industrial Paper	3157	3324	170	239	93	123	1170	-37.2
Tissue Paper	17039	9479	707	376	492	280	6958	-51.0
Paperboard, Total	80636	17653	9900	2577	9295	2432	111931	49.9
Wet Machine Board	1522	703	112	54	232	123	1702	17.8
Construction Paper and Bd. *	360071	63784	43917	7312	41451	7263	490212	46.9
Convtd Paper&Paperbd Products	44163	54138	4104	5918	4005	6210	47469	6.7

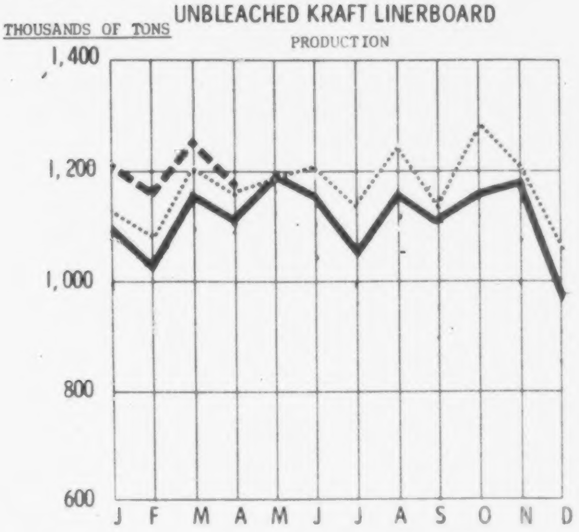
EXPORTS TO CANADA

	YEAR 1979 Tons	YEAR 1979 $000	FEB. 1980 Tons	FEB. 1980 $000	MARCH 1980 Tons	MARCH 1980 $000	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	263367	11446	10041	382	18732	663	161000	-69.5
Pulpwood Chips	87790	3790	2061	54	3371	90	28376	-69.0
Wood Pulp, Total	136641	49608	13576	4011	21602	5355	176984	32.2
Cotton Pulp & Other Pulp	7921	3728	1403	417	1292	424	14312	88.7
Waste Paper	478477	50207	49261	4589	51940	5059	555296	53.5
Paper,Paperboard&Products,Total	624928	353202	56767	31998	56671	34350	650364	5.3
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board *	454029	248403	42238	21868	38150	22837	471752	3.9
Paper, Total	181451	142407	21395	14471	16562	15058	221840	22.5
Newsprint	2803	1734	206	203	129	154	1793	-59.2
Printing,Writing & Rel.Pap.	108290	76567	9777	7467	9647	7513	116565	11.8
Pack. & Ind. Conv. Paper	16084	10108	2033	1103	847	697	16094	-5.4
Special Industrial Paper	46773	48173	9005	5345	5264	6126	82496	81.0
Tissue	7502	5825	374	353	675	569	4891	-50.7
Paperboard, Total	230904	83021	17457	6241	18300	6594	214339	-3.9
Wet Machine Board	5262	9916	266	141	252	148	3176	-43.7
Construction Pap. & Bd. E *	36411	13059	3120	1015	3037	1037	32398	-26.6
Convtd Paper&Paperbd Products	170900	104799	14529	10130	18521	11513	178612	9.0
* - Hard Pressed Board (not in total)								
Imports of Hard Pressed Bd.	29771	5370	3568	697	5422	1043	43364	195.8
Exports of Hard Pressed Bd.	20535	6878	1218	456	2001	678	19932	-22.2

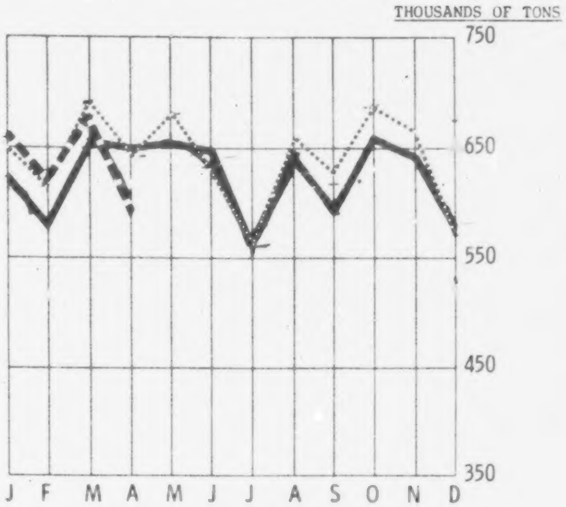
SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

UNBLEACHED KRAFT LINERBOARD

PRODUCTION

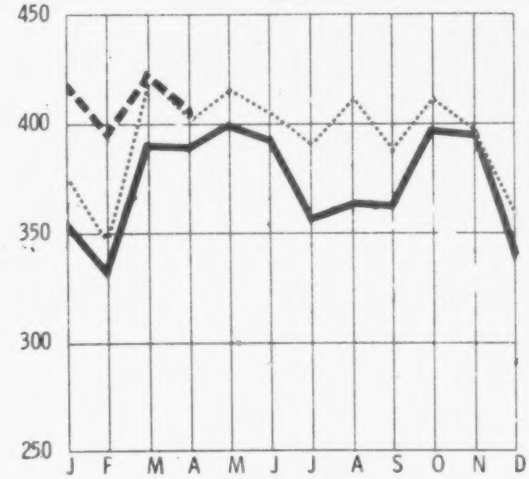


RECYCLED PAPERBOARD



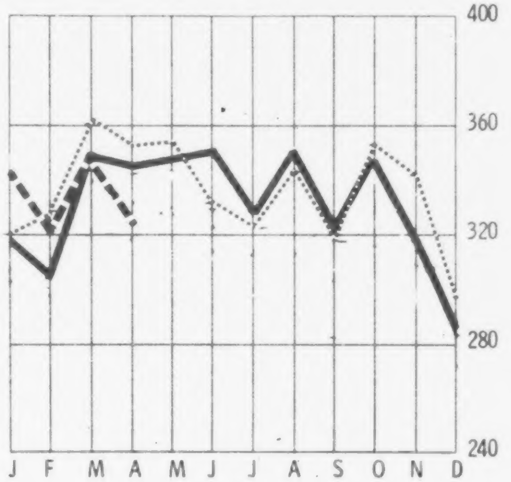
SEMI-CHEMICAL PAPERBOARD

PRODUCTION



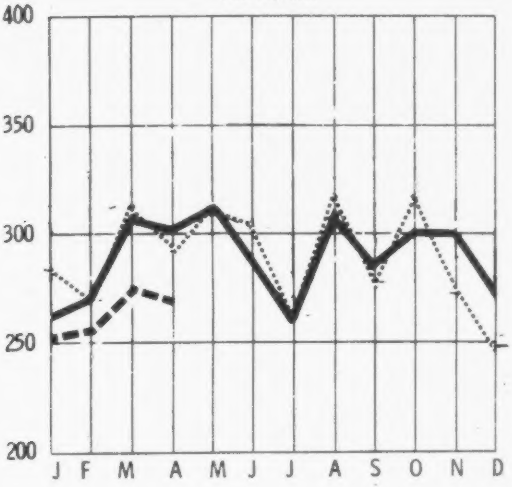
SOLID BLEACHED PAPERBOARD

PRODUCTION



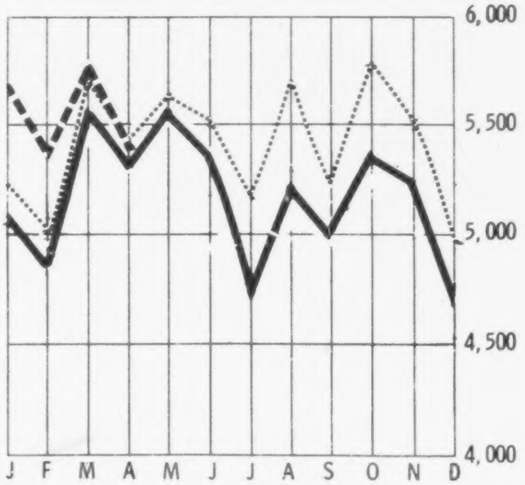
WET MACHINE BOARD AND BUILDING PAPER AND BOARD

PRODUCTION



TOTAL PAPER AND BOARD

PRODUCTION



1978 ━━━ 1979 ········ 1980 ▬ ▬ ▬

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1979 Tons	YEAR 1979 $000	FEB. 1980 * Tons	FEB. 1980 * $000	MARCH 1980 Tons	MARCH 1980 $000	(1) Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206074	8869	10445	413	26832	1161	260992	29.9
Pulpwood Chips	1574763	33413	107012	2594	171262	4183	1600916	17.6
Total All Imports	13554749	4693607	1107382	422900	1282443	482144	14123138	2.7
Wood Pulp, Total	4324033	1465169	328147	130629	444965	173665	4552676	6.6
Waste Paper	62310	8625	2534	276	3069	279	32376	-37.9
Other Fibrous Materials	43640	13149	4685	1447	4523	1608	47141	-11.9
Paper,Paperbd&Products,Total	9124767	3206665	772016	290548	829886	306592	9490945	1.3
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	9028643	2983554	764312	271964	823910	292510	9403271	1.3
Paper, Total	8561213	2894764	708160	261531	770123	282094	8770738	-0.9
Newsprint	7224195	2300450	623609	219653	684885	239498	7710608	2.1
Printing & Writing	1176253	510579	75265	36000	73659	35492	941837	-16.5
Uncoated Groundwood	804598	295996	49900	20879	45812	18990	625256	-18.6
Uncoated Book	142674	69291	9078	4751	10544	5364	119308	-10.0
Coated Print.& Impres. Pap	188846	108590	12981	7652	15490	8852	165551	-14.6
Bristols	2247	1243	512	248	116	79	2669	189.5
Writing and Similar Paper	22964	23403	1876	1546	1106	1107	20048	-12.7
Thin (except Cigarette)	14924	12057	918	925	592	800	9005	-9.1
Total Pkg & Other Paper	143452	74013	8474	5444	11070	6809	110799	-28.3
Unbleached Kraft Paper	66816	23211	2788	1222	4116	1679	39648	-46.6
Other Pkg. & Indust. Paper	76636	50802	5686	4222	6954	5131	71152	-11.5
Tissue	17312	9722	812	435	509	295	7494	-48.8
Paperboard, Total	82203	19111	9946	2660	9435	2599	112954	49.4
Test or Containerboard	25725	6021	4064	1074	4448	1269	53850	117.4
Semi-Chemical Corrugating	33494	5889	2870	560	2970	593	35174	-0.0
Other Paperboard	22984	7201	3012	1026	2017	737	23930	53.1
Wet Machine Board	2345	1341	215	137	249	136	2516	5.8
Construction Paper & Bd. *	382883	68338	45990	7637	44103	7682	517063	46.6
Building Paper	330147	56768	42387	6839	40242	6804	470780	54.4
Insulating Board	21682	4664	1780	425	1394	321	18635	-25.3
Other Building Board	31054	6906	1824	373	2477	558	27649	20.5
Convtd Paper&Paperbd Products	96124	223111	7704	18584	5976	14082	87674	-0.0
Paper Products, Total	90317	211663	7235	17721	5541	13057	82252	-0.8
Paperboard Products, Total	5807	11447	470	863	434	1025	5422	13.4
Notes								
Other: No Weight Avail. ($000)		81899		5240		6144	68762	-5.2
Total Imports Incl. Other($000)		4775506		428140		488288	5439584	20.6

EXPORTS

	YEAR 1979 Tons	YEAR 1979 $000	FEB. 1980 Tons	FEB. 1980 $000	MARCH 1980 Tons	MARCH 1980 $000	(1)	
Pulpwood, Roundwood (in cords of 128 cu. ft.)	263721	11473	10309	388	21560	726	188208	-64.3
Pulpwood Chips	4498674	197847	422841	25542	265850	19397	3988712	3.9
Total All Exports	8971708	3348409	848758	315907	963560	370914	10478899	35.7
Wood Pulp,Total	2934815	1103783	269173	108356	320633	131930	3208804	39.4
Cotton Pulp and Other Pulp	131444	74579	11494	5911	14599	7770	163956	42.1
Waste and Old Paper	2233246	256107	239221	25071	257064	29058	2885184	45.4
Paper, Paperbd&Products, Total	3672203	1913940	328870	176570	371264	202156	4220955	27.0
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3109859	1328320	279425	124757	312674	142037	3595857	29.4
Paper, Total	600876	507568	56515	48915	58107	51206	724240	34.4
Newsprint	71456	32046	4190	2036	4445	2051	84192	28.3
Printing & Writing	274608	233371	22880	22352	24234	22121	281166	12.2
Uncoated Groundwood	80392	55384	4342	4026	7495	5207	71185	-3.5
Clay Coated Paper	73521	57743	7357	6480	6020	5069	80139	20.4
Uncoated Free Sheet	68159	64146	4972	5919	5428	6099	66422	6.7
Other Printing & Writing	52536	56098	6210	5927	5292	5746	63419	31.8
Total Pkg. & Other Paper	226906	218218	26441	21816	24249	22477	319790	60.7
Unbleached Kraft	63695	27079	9313	3979	11280	4528	133628	141.7
Other Pkg. & Indust. Paper	163211	191138	17128	17837	12969	17950	186163	29.6
Tissue	27905	23934	3004	2712	5179	4557	39091	65.4
Paperboard, Total	2446972	789902	217003	73834	248985	88638	2807192	29.2
Solid Wood Pulp	2271161	712276	205870	68779	228056	81346	2628738	31.5
Total Linerboard	1644901	434515	146780	42886	151063	46443	1852010	23.8
Bleached Kraft Linerboard	179995	51186	12321	3198	20405	7009	192787	2.8
Unbleached Kraft Linerbd	1464906	383330	134458	39688	130658	39434	1659222	26.8
Other Unbleached Kraft	100301	33739	14896	5281	19733	6580	174665	108.3
Other Bleached Kraft	508601	238813	42454	20111	56291	27960	587554	43.6
Semi-Chemical Corrugating	17358	5208	1740	501	970	364	14509	56.7
Recycled Paperboard	175811	77626	11134	5055	20930	7291	178454	2.8
Wet Machine Board	7371	5146	536	270	547	322	6353	-21.5
Construction Paper & Bd. *	54642	25704	5370	1738	5035	1871	58072	-4.4
Building Paper	34020	14420	2613	701	2071	708	29203	-25.2
Insulating Board E	20623	11284	2757	1037	2964	1162	28869	33.2
Convtd Paper&Paperbd Products	562343	585620	49445	51813	58589	60119	625098	15.1
Paper Products, Total	332256	427080	30176	37947	33660	41105	371061	20.5
Paperboard Products, Total	230087	158540	19269	13866	24930	19015	254037	8.0
Notes								
Other: No Weight Avail. ($000)		9803		868		966	11854	25.2
Total Exports Incl. Other($000)		3358212		316775		371879	3977362	43.8

* Hard Pressed Board (not in total)

Imports of Hard Pressed Board	260775	39528	16699	2891	16511	3052	200389	-14.2
Exports of Hard Pressed Board	32030	11223	1397	561	3198	1064	28080	-12.6

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PAPER AND PAPERBOARD PRODUCTION

CENSUS DATA

(Thousands of Tons)

	YEAR 1978	YEAR 1979	NOV. 1979	DEC. 1979	JAN. 1980	FEB. 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
PAPER					R	P		
Newsprint	3489	3797	351	323	388	374	4574	30.4
Uncoated Groundwood Papers	1569	1674	142	135	122	112	1402	-14.7
Coated Papers	4513	4675	400	388	423	379	4811	10.5
Uncoated Free Sheet (1)	7315	7508	646	614	689	644	7999	12.3
Cotton Fiber Paper (1)	119	127	11	10	12	12	148	18.8
Thin Papers	350	376	31	28	31	29	365	0.3
Bleached Bristols	1127	1114	86	90	97	97	1160	5.3
Tissue Paper	4245	4310	355	328	377	351	4369	8.5
Unbleached Kraft Packaging & Industrial Conv. Papers(1)	3873	3923	355	304	342	346	4132	13.5
Other Paper (1)	1905	1791	157	159	173	160	2002	24.2
TOTAL PAPER GRADES	28505	29295	2534	2378	2656	2505	30962	12.6
PAPERBOARD								
Solid Wood Pulp Furnish	22500	22833	1982	1765	2040	1922	23771	12.2
Unbleached Kraft Linerboard	13215	13685	1160	1039	1195	1134	13972	7.9
Other Unbl. Kraft Paperboard	898	1014	90	61	92	84	1054	12.7
Bleached Kraft Paperboard	4002	3934	356	311	349	327	4058	17.6
Semi-Chemical Paperboard	4384	4200	376	354	405	377	4688	21.7
Recycled Paperboard	7534	7240	624	594	645	631	7657	8.4
TOTAL PAPERBOARD GRADES	30034	30073	2606	2358	2685	2553	31429	11.2
WET MACHINE BOARD	136	144	14	16	14	12	153	26.9
CONSTR. PAPER & INSUL. BOARD	3332	3322	265	230	237	245	2894	-9.3
TOTAL ALL GRADES [Excl. H.P.B.]*	62006	62834	5419	4983	5591	5315	65437	10.8

PRODUCER PRICE INDEXES

1967 = 100

	1978	1979	JAN.	FEB.	MARCH	APRIL		
Pulp, Paper and Products	195.6	219.0	237.4	238.9	241.6	246.5	241.1	14.4
Pulp, Paper & Products, except Waste Paper #	195.6	219.2	237.6	239.2	241.9	246.6	241.3	14.5
Total Wood Pulp	266.5	314.3	358.8	358.5	359.0	386.8	365.8	23.9
Total Paper	206.1	229.6	245.5	247.5	250.5	253.6	249.3	12.2
Total Paper, exc. Newsprint	199.4	222.8	238.0	240.3	244.4	248.5	242.8	12.6
Newsprint	226.3	249.9	268.2	269.4	269.4	269.4	269.1	11.6
Total Paperboard	179.6	202.1	221.8	223.4	225.9	230.2	225.3	17.1
Total Paper and Paperboard #	197.8	220.9	238.1	239.9	242.8	246.3	241.8	13.7
Converted Products	186.5	209.9	227.5	228.7	231.3	234.6	230.5	14.1
Waste Paper	191.2	206.6	222.7	223.2	224.9	242.5	228.3	14.6
All Commodities	209.3	235.5	254.7	259.8	261.5	262.3	259.6	15.2
Industrial Commodities	209.4	236.4	260.3	265.4	268.2	270.7	266.2	18.7

(1) - Grade definitions revised by Census as of January 1979. New grades now consistent with API definitions. 1977 and 1978 Census data adjusted by API for comparability with 1979.

* See page 3 for Hard Pressed Board data. # Computed by API P-Preliminary R-Revised

SOURCES: Production - Bureau of Census, U.S. Department of Commerce
Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor

Continued from Page 2

was in newsprint, partly induced by expectations of strikes at some Canadian mills. Packaging and industrial converting papers also showed some gain, as did imports of coated papers. However, imports of uncoated groundwood papers continued to move downward.

Among the export grades, the strongest gains were in the paperboard grades, although some gains were also recorded in paper. Exports of bleached boards in March, at 56,000 tons, established a record monthly high. The first quarter bleached board exports rate was about 16% above the average rate for all of 1979.

With production and imports both at very high levels, total new supply (production plus imports less exports) in the first quarter of 1980 was at a rate of 71.9 million tons per year, 2.1% above the 1979 average rate. Total economic activity in that quarter, as measured by real GNP, was 0.8% above its 1979 average level, while total industrial production was slightly below it. It therefore appears that the new supply of total paper and paperboard outpaced the trends of the total economy, suggesting an increase in inventories of paper and paperboard in that period. The drop in production in April, as shown by the preliminary data, brought the estimated new supply down about 4% from the first quarter 1980 rate, which was a little steeper than declines in either total industrial production or in the production of non-durable goods.

Capital Expenditures

The declining trends in economic activity appear to have had some impact on the paper industry's capital expenditure plans. The Economics Department of McGraw-Hill Company, in a recent report, noted that capital expenditures by paper and pulp companies in 1980 would amount to $5.76 billion, 18% above the $4.88 billion spent in 1979. Earlier estimates published by the Department of Commerce indicated that these expenditures would amount to $6.01 billion in

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1980, for a 23% gain. There are indications that these changes reflect postponements rather than cancellations. McGraw-Hill also indicated that paper industry capital expenditures in 1981 would hold at the $5.7 billion level, and that present plans indicate only a small decline in these expenditures for 1982. These projections are based upon a survey of company plans reported to McGraw-Hill by the paper industry. In a period of rapid changes in the economy such as the present one, these plans can be altered quickly.

This study was based upon pulp and paper companies that account for about 38% of the total capital expenditures of the industry.

In a separate report McGraw-Hill Company showed that the paper industry's expenditures on pollution control equipment would increase 23% in 1980, to $473 million, and average about $500 million per year in the 1981-1983 period. In an earlier report the Department of Commerce indicated that paper companies would not increase their expenditures for pollution abatement equipment in 1980 from the 1979 level of about $300 million. The 1979-1980 levels are about 25% over the $239 million spent in 1978. The Department of Commerce's 1979 total is about equal to that reported by the National Council of the Paper Industry for Air and Stream Improvement. The estimates of future spending reflect uncertainties resulting from the slow and ever-changing regulatory processes. The industry still awaits final regulations on the 1984 water standards.

McGraw-Hill also reported that expenditures on research and development in 1980 would rise 9%, to $409 million and move up another 15%, to $472 million, by 1983.

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

May 28, 1980

	PRODUCTION (000 TONS)					
	April 1980	March 1980	April 1979	Jan -April 1980	- 1979	% Change 80/79
PAPER GRADES	P	R				
Newsprint	374	394	319	1511	1290	17.1
Uncoated Groundwood (s)	129	134	127	514	491	4.9
Coated Paper (s)	372	415	377	1593	1507	5.7
Uncoated Free Sheet Paper (s)	682	728	636	2807	2541	10.4
Thin Paper (c)	32	35	32	128	127	0.8
Cotton Fiber Paper (s)	11	11	11	46	43	6.6
Bleached Bristols (c)	90	87	94	351	369	-4.7
Tissue Paper	375	399	380	1525	1490	2.3
Unbleached Kraft Packaging & Indl. Converting (s)	330	346	336	1357	1306	4.0
Other Paper (c)	155	170	146	659	570	15.6
TOTAL PAPER	2550	2719	2457	10491	9733	7.8
PAPERBOARD GRADES						
Kraft Linerboard, Unbleached	1170	1248	1175	4795	4593	4.4
Other Kraft Paperboard	91	104	107	376	412	-8.9
Semichemical Paperboard	408	424	402	1646	1545	6.6
Bleached Paperboard	326	348	353	1340	1363	-1.7
Recycled Paperboard	584	668	645	2537	2594	-2.2
TOTAL PAPERBOARD	2579	2790	2681	10694	10506	1.8
CONSTRUCTION & WET MACH GRADES(c)	268	274	291	1050	1155	-9.1
TOTAL PAPER AND PAPERBOARD	5397	5783	5429	22235	21394	3.9
HARD PRESSED BD.[not in total](c)	175	170	188	661	693	-4.7

WOOD PULP (ALL GRADES)	March 1980	Feb. 1980	March 1979	Jan -March 1980	- 1979	% Change 80/79
Dissolving & Special Alpha	134	125	127	404	317	27.5
Bleached Sulphite	124	122	128	361	287	25.7
Unbleached Sulphite	34	32	33	98	97	1.5
Bleached & Semi-Bl. Sulph.	1676	1535	1541	4861	4375	11.1
Unbleached Sulphate	1771	1648	1740	5148	4887	5.3
Semichemical	365	332	346	1050	966	8.7
Groundwood and Thermo-Mechanical	394	359	388	1117	1077	3.7
TOTAL PULP DIVISION DATA	4496	4153	4303	13039	12006	8.6
Defib. Exploded & Scrngs E	240	216	267	676	734	-7.9
TOTAL WOOD PULP PRODUCTION	4737	4368	4570	13716	12740	7.7

Note: Paperboard cumulative totals include revisions not available monthly.

(s) - Shipments R - Revised E - Estimate NC - Not comparable
P - Preliminary (c) - Census Data - Production, last 2 months estimated.

May 31, 1980

	Full Year		INDUSTRY DATA 1980 R	 R	 P	Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
PAPER AND PAPERBOARD -- Tons (000)	1978	1979	February	March	April		
Total Production (API).......: :...	62095	64947	5387	5783	5397	66704	3.9
Total Seasonally Adjusted....: excluding :...			5488	5528	5302	65846	3.0
Imports (including Products).:hard pressed:..E	9117	9125	772	830	790	9488	3.4
Exports (including Products).: board :..E	3373	3672	329	371	350	4216	29.0
Apparent Consumption.........: :...	67840 Ra	70400 Rb	5931	5987	5742	71120c	2.0
Paper Production % Tonnage Capacity...........	93.1 Rs	95.8 Rs	98.3	98.3	94.4	96.6sh	-
Paperboard Production % Tonnage Capacity......	92.8 s	94.8 s	95.0	96.2	91.3	94.2s	-
			January	February	March		
MARKET WOOD PULP PRODUCTION - Tons (000)........	5126	5667	556	511	544	6444	32.3
TOTAL WOOD PULP PRODUCTION - Tons (000)..(f)....	47228	49743	4391	4153	4496	52157	8.6
WOOD PULP IMPORTS - TONS (000).................	4025	4324	365	328	445	4553	6.6
WOOD PULP EXPORTS - TONS (000).................	2599	2935	212	269	321	3209	39.4
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS			January	February	March		
Wood Pulp..(k)............................	47911	50156	4357	4100	4545	52006	5.8
Waste Paper....(d).........................	14760	15400	1324	1246	1286	15423	4.8
Other (Census)............................E	778	643	53	51	52	624	-9.3
Total...............	63449	66199	5733	5398	5882	68053	5.4
..WOOD PULP - NON PAPER.......................E	884	909	74	70	72	864	-6.9
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	77290	79566	6923	6614	7044	82324	4.9
EMPLOYMENT (000)			February	March	April		
Paper and Allied Products..........Total......	700.9	714.1	710.0	711.0	708.3	710.3	0.6
Pulp, Paper and Board Mills........Total.....E	267.0	271.2	271.2	271.1	270.0	271.2	2.0
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products......................	6.52	7.12	7.51	7.53	7.60	7.53	9.8
Pulp, Paper Mills............................E	7.44	8.26	8.72	8.76	8.81	8.75	11.1
Paperboard Mills.............................E	7.68	8.38	8.84	8.85	8.86	8.84	9.4
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1979 Q4	1980 Q1	1980 Q2		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	3.46	4.88	5.23	5.52	6.21	6.01y	23.2
INDEX OF OUTPUT PER MAN-HOUR (1967=100).........			December	January	February		
:IN PULP, PAPER :...Production Workers..........	153.9	159.4	168.4	170.5	166.6	168.5	6.7
:AND BOARD MILLS:...All Employees.............	148.4	153.6	161.9	163.6	159.9	161.8	6.4
PAPER AND ALLIED PRODUCTS (Million $)			January	February	March		
Industry Shipments (Dept. of Commerce)*........	57654	66033	6014	5864	5829	70828	12.1
Pulp, Paper and Paperboard*.................	25343	30165	2697	2816	2753	33064	16.0
Inventories (End of Period) - Total Industry*.	5875	6779	6842	.7104	7325	7325	21.2
Pulp, Paper and Paperboard*.................	2006	2321	2355	2409	2470	2470	20.3
	1977	1978	1979 Q2	1979 Q3	1979 Q4	1979	
Sales (Corporations Only, FTC).................	45750	48982RS	13828	14133	14401	55359	13.0
Earnings (Corporations Only, FTC)..............	2367	2598RS	917	1162	778	3724	43.3
Depreciation (Corporations Only, FTC)..........	1663	1726RS	479	481	489	1896	9.8
Net Worth (Corporations Only, FTC).............	19704	20794RS	21808	22688	23206	23206	11.6
PRICE INDEXES (Bureau of Labor Stats)1967=100			February	March	April		
Total Pulp, Paper and Allied Products.........	195.6	219.0	238.9	241.6	246.5	241.1	14.4
Wood Pulp.....................................	266.5	314.3	358.5	359.0	386.8	365.8	23.9
Waste Paper...................................	191.2	206.6	223.2	224.9	242.5	228.3	14.6
Paper...	206.1	229.6	247.5	250.5	253.6	249.3	12.2
Paperboard....................................	179.6	202.1	223.4	225.9	230.2	225.3	17.1
PAPER DEMAND (INDEXED: 1967=100)			February	March	April		
Total Paper Production *......................	135.5	142.6	147.7	147.5	145.2	147.6	6.9
Paper New Supply *............................	132.9	137.9	141.2	143.6	140.3	142.0	5.2
Total End - Use Index *.....................	139.5	144.5	146.8	145.8	144.5	145.9	1.2
Production of Nondurable Goods *...(19%)..	157.0	163.3	165.4	164.0	161.9	164.4	1.5
Disposable Income (Constant $) *...(23%)..	145.2	148.5	148.9	147.9	146.7	148.4	-0.3
Total Printing and Publishing *...(58%)..	131.5	136.8	139.9	139.0	137.9	138.9	1.6
Trend Factor	--------------	--------------	--------------	Not Available	--------------	--------------	--------------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *................	132.8	138.8	138.6	141.5	132.2	139.1	1.0
Production for Domestic Use	131.1	136.7	135.3	137.6	128.9	135.4	-0.7
Total End - Use Index *.....................	147.7	151.6	150.9	150.1	147.1	149.7	-1.3
Production of Consumer Goods *...(60.49%)	149.1	150.3	149.0	148.1	145.1	147.6	-2.3
Production of Equipment *...(6.62%)	132.8	142.1	145.9	145.7	145.4	145.6	3.6
Production of Materials *...(32.89%)	148.3	156.0	155.5	154.6	151.0	154.5	-0.5
Trend Factor	--------------	--------------	--------------	Not Available	--------------	--------------	--------------
NEWSPRINT MARKETS			January	February	March		
Consumption by Publishers - Tons (000)........	10872	11240	870	874	969	10851	1.6
Newspaper Pub. and Printing Emp. Total (000)..	407.4	420.7	428.4	429.3	429.0	428.9	3.4
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	115090	118484	7434	8496	10605	10[illegible]140	7.0
WHOLESALERS SALES AND INVENTORIES (Million $)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	17586	19721	1837	1774	1783	21576	14.7
Inventories (End of Period)	1482	1695	1670	1694	1695	1695	9.6
Paper Only.............................Sales	13078	14788	1330	1290	1326	15784	12.6
Inventories (End of Period)	1025	1141	1137	1144	1158	1158	10.0
RETAIL TRADE (Million $)			February	March	April		
Total Retail Sales *..........................	799054	884407	77993	76234	75325	927048	8.0
Nondurable Goods Stores Sales *..............	518190	576882	51624	52012	52387	624657	12.9
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	146.1	152.1	152.3	151.3	148.5	151.2	-0.4
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	209.3	235.5	259.8	261.5	262.3	259.6	15.2
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	195.4	217.4	236.4	239.8	242.5	238.0	14.4
			January	February	March		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	275.6	311.3	309.0	308.2	307.6	307.6	10.4
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1979 Q3	1979 Q4	1980 Q1		
G.N.P. or Expenditure - Current $.............	2127.6	2368.8	2396.5	2456.9	2516.1	2516.1	9.8
G.N.P. OR Expenditure - 1972 $................	1399.2	1431.6	1433.3	1440.3	1442.6	1442.6	0.8

lb/capita	Popul.(mil)
.a - 620	218.7
.b - 638	220.6
.c - 641	221.9

.d - 1977 - 12103; 1978 - 12481
. 1979 12956;Jn-Fb'80A.R.12666
. (000 tons) as pub. by Census
.E - Last month estimated by API

f - Wood Pulp Production excludes estimates for def. expl. & scrngs. Prod. was: 1978 - 3,140; 1979 - 3,018; 1980 A.R.Y-T-D 2,704 (000 tons)
s - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
k - Excludes consumption of defib. & expl. pulp for hard p. bd.: '78 - 1,666; '79 - 1,593 (000 tons)

N.A. - Not Available
P - Preliminary
Q - Quarter
R - Revised
RS - Revised Series
y - Full year estimated by U.S. Dept. of Commerce
* - Seasonally adjusted

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MONTHLY STATISTICAL SUMMARY

AMERICAN PAPER INSTITUTE
260 Madison Avenue New York, N. Y. 10016

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Vol. 58 JUNE 1980 No. 6

Production Continues to Ease

Preliminary data show the seasonally adjusted rate of paper and paperboard production in May 1980 at 62.8 million tons per year. This was 0.9% below the April 1980 rate and 5.4% below the first quarter high of 66.5 million tons.

Paper has been maintaining a somewhat stronger trend than paperboard. The seasonally adjusted rate of paper production in May, for example, was 30 million tons per year, 3.7% below the first quarter rate. Paperboard production, which was also at 30 million tons per year rate, was down 6.7% from the first quarter level. In both grades, however, the decline from April to May was quite moderate.

Within the paper grade structure, newsprint production continued fairly strong in May, with the January-May 1980 total some 16.7% ahead of its year-ago total. This reflected the continued strength in the total demand for newsprint, in part in anticipation of a possible strike in Canada. Most of the increase in demand has been absorbed by domestic producers, imports of newsprint in the January-April period were only 4% above their year-earlier total. The sharp increase in domestic production of newsprint also reflected the new newsprint capacity that came on stream during 1979.

While the rate of production of printing and writing papers has been moving downward during the past few months, the pattern of incoming orders has been fairly erratic.

Continued from Page 1

The trend of uncoated free sheet orders, which had weakened in the late weeks of May, strengthened slightly in the early weeks of June. Shipments have been maintained, to some extent, by reductions in the backlog.

New orders for groundwood papers have also shown an erratic trend. Orders remained above the rate of shipments through the first three months of the year, dropped sharply below them in April and May, and then showed some recovery in the early weeks of June. The pattern of shipments has been relatively strong. Imports of uncoated groundwood papers, however, trended sharply downward from January to April 1980; the four month total was 22% below the corresponding year-ago figure.

Among the packaging grades, unbleached kraft paper shipments, on a seasonally adjusted basis, fluctuated in a fairly narrow range so far this year. However, API data show that shipments of the commodity grades of bleached kraft packaging papers have been in a fairly steep downtrend.

The rate of tissue paper production has also declined, but the five month 1980 total was a half percent above the corresponding 1979 figure.

Although total paper production in the first five months of 1980 was at a record high level, part of this output was diverted to inventories. For example, the reported dollar values of inventories of paper products at paper wholesalers as of the end of April 1980 were 20% above their year-ago total, compared to a 12% increase in merchant sales. As a result, the stock/sales ratio rose from 0.86 in April 1979 to 0.94 in April 1980. Data on inventories of newsprint at newspapers, published by the Canadian Pulp and Paper Association show that as of the end of April 1980, total newsprint stocks amounted to 1.1 million tons, equivalent to 39 days of supply. A year ago that total was 950,000 tons, equivalent to 33 days of supply.

The above figures suggest that on the whole, the increases in inventories were probably close to the amounts required to bring inventories up to normal levels with respect to output. Available data indicated that as of the end of April, inventories of paper and paper products throughout the channels of distribution and use were generally in line with requirements. Some involuntary build-up seems under way at present, but the amount of excess remains relatively small.

The decline in the rate of paperboard production, was concentrated almost entirely in the boxboard grades. Total production of unbleached kraft linerboard in May 1980, at 1.25 million tons, was at a seven month high. The year-to-date total was 5% over the corresponding 1979 level, and 3.4% ahead of the average rate for all of 1979.

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PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

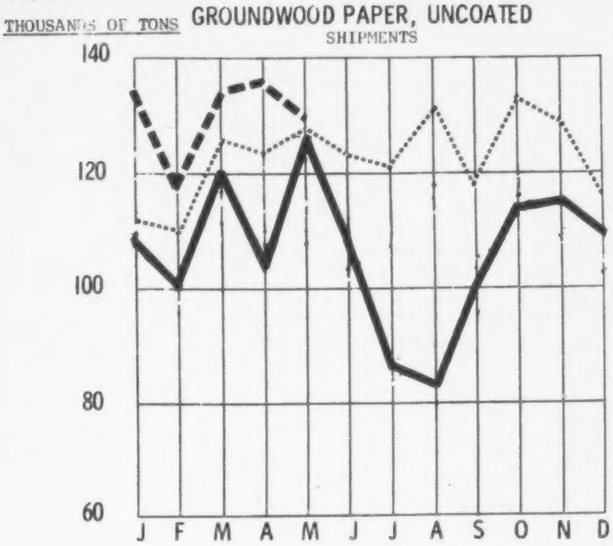
	YEAR 1978	YEAR 1979	FEB. 1980	MARCH 1980	APRIL 1980	MAY 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
PAPER					R	P		
Newsprint - Production	3768	4062	368	394	374	390	4562	16.7
- Shipments	3779	4066	367	387	382	390	4547	16.3
Printing & Writing	14581	15539	1319	1408	1336	1301	16235	5.5
Groundwood Paper - Shipments	1349	1530	117	134	135	128	1556	4.2
- New Orders	1408	1541	119	138	124	104	1562	2.7
- Unfilled Orders	184	152	173	182	172	159	159	8.2
Coated Paper - Shipments	4448	4525	390	415	377	367	4714	4.4
- New Orders	4428	4546	407	373	403	407	4924	7.4
- Unfilled Orders	404	512	420	378	404	430	430	-1.8
Unctd Free Sheet - Shipments	7225	7868	681	729	693	667	8364	8.0
- New Orders	7542	7881	647	687	662	607	7995	1.5
- Unfilled Orders	754	789	768	716	692	630	630	-18.2
Thin Paper - Production *	350	376	29	28	28	30	353	-8.5
Cotton Fiber Paper - Shipments	114	125	12	11	11	10	135	3.9
Bleached Bristols -Production*	1095	1114	90	91	93	99	1114	-0.9
Tissue Paper - Production	4215	4535	371	399	373	370	4554	0.5
Total Packaging & Other Paper	5789	5725	493	511	469	480	5936	4.1
Unbl. Kraft Paper - Shipments	3884	3934	335	346	319	325	4013	1.3
Other Paper - Production * #	1905	1791	158	165	150	155	1924	10.4
TOTAL PAPER-Production-Unadj.	28353	29861	2551	2713	2551	2541	31288	5.9
-Production-S.A.			2584	2569	2536	2496	30735	5.2
PAPERBOARD - PRODUCTION							##	
Solid Wood Pulp Furnish	22790	23838	1952	2110	1995	2099	24547	3.0
Unbl. Kraft Linerboard - Total	13228	13951	1156	1240	1168	1246	14427	5.0
Production for Export	1466	1645	150	161	146	176	1937	23.7
Other Unbl. Kraft Paperboard	1144	1200	81	101	94	97	1137	-12.8
Semichemical Paperboard	4439	4689	393	422	408	414	4943	5.6
Production for Export	119	98	12	12	9	8	123	22.0
Solid Bleached Paperboard	3979	3998	322	347	326	343	4040	-1.3
Production for Export	430	491	46	45	40	52	540	9.9
Recycled Paperboard	7485	7591	625	666	580	571	7427	-4.6
Production for Export	22	22	2	4	5	4	42	90.9
TOTAL PAPERBOARD-Prod.-Unadj.	30275	31429	2576	2776	2576	2670	31975	1.2
- Containerboard Prod.(Dom. Use)	17908	18825	1542	1661	1577	1649	19280	3.6
- Boxboard Production (Dom. Use)	6505	5776	472	512	469	470	5828	-3.2
- All Other P'bd Prod.(Dom. Use)	3825	4571	352	381	330	310	4225	-11.8
- Total Paperbd Prod. for Export	2037	2257	210	223	199	240	2641	21.2
TOTAL PAPERBOARD PROD. - S.A.			2626	2677	2510	2497	31286	0.6
WET MACHINE BOARD *	136	144	12	13	12	12	150	15.0
BUILDING PAPERS *	1915	1900	145	149	145	140	1730	-10.7
INSULATING BOARD *	1416	1422	100	95	90	100	1153	-20.7
TOTAL ALL GRADES - Unadjusted	62095	64755	5384	5746	5374	5462	66296	2.5
- Production - S.A.			5485	5492	5281	5231	65063	1.9
HARD PRESSED BD. [not in total]*	2294	2123	158	124	120	120	1632	-22.8

* Census Data - Production. Last two months estimated.
# Production excludes API bleached kraft envelope.
## Includes revisions not available monthly.
### Data for unbleached kraft folding boxboard for 1979 and 1980 included in All Other.

S.A. Seasonally Adjusted
P Preliminary
R Revised

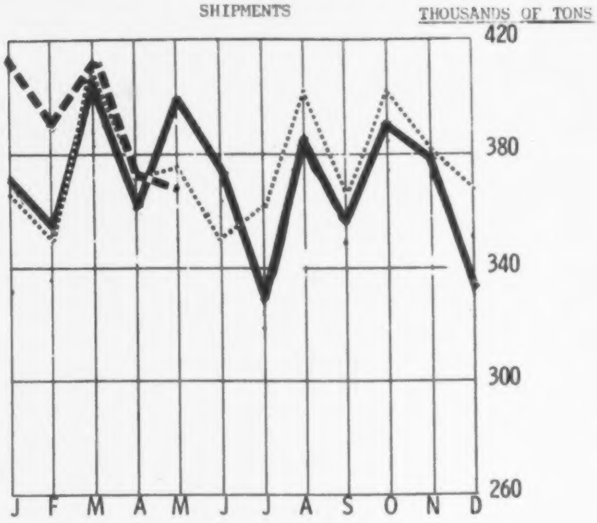
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



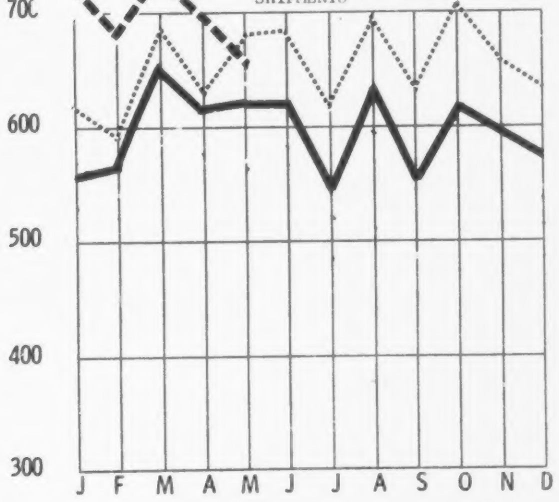
COATED PAPER

SHIPMENTS



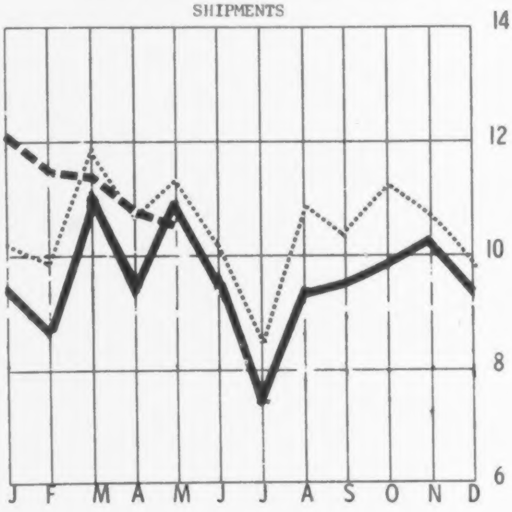
UNCOATED FREE SHEET PAPERS

SHIPMENTS



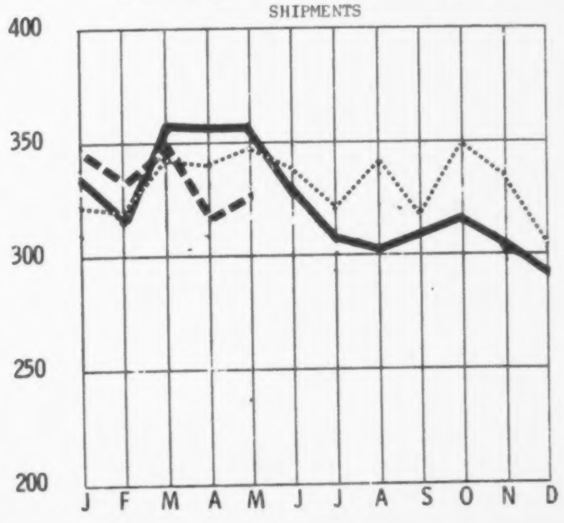
COTTON FIBER PAPER

SHIPMENTS



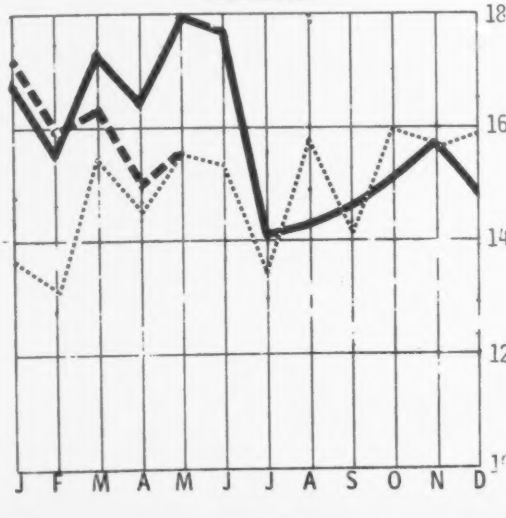
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1978 ▬▬▬ 1979 ········ 1980 ▬ ▬ ▬

WOOD PULP STATISTICS

(Thousands of Tons)

		YEAR		JAN.	FEB.	MARCH	APRIL	Annual Rate Y-T-D	% Change from same Period Last Year
		1978	1979	1980	1980	1980	1980	1980	
TOTAL WOOD PULP (1)						R	P		
Total Wood Pulp	- Production	47228	49743	4391	4153	4496	4243	51847	6.9
	- Imports	4025	4324	365	328	445	320	4374	4.8
	- Exports	2599	2935	212	269	321	360	3488	47.2
	- New Supply	48653	51133	4543	4212	4621	4202	52733	4.9
Dissolving Pulp	- Production	1411	1497	146	125	134	134	1613	22.8
	- Imports	189	193	25	21	21	32	296	35.9
	- Exports	758	764	43	54	91	84	818	32.7
	- New Supply	842	926	128	92	63	81	1091	19.3
Paper Grades Chemical Pulp	- Production	37893	39785	3528	3337	3604	3390	41576	6.8
	- Imports	3627	3930	325	301	396	282	3912	3.4
	- Exports	1780	2100	160	210	220	268	2572	51.0
	- New Supply	39740	41614	3694	3428	3780	3403	42915	4.7
Groundwood and Thermo-Mech.	- Production	4141	4394	364	359	394	375	4474	3.4
	- Imports	208	201	15	6	28	6	167	-2.0
	- Exports	62	70	10	5	10	8	97	101.8
	- New Supply	4287	4525	369	360	413	373	4543	2.1
Semi-Chemical	- Production	3783	4068	353	332	365	345	4184	6.7
	- Imports	0	0						
	- Exports	0	0	------	Included	with	Groundwood	Pulp	------
	- New Supply	3783	4068	353	332	365	345	4184	6.7
MARKET WOOD PULP									
Total Market Wood Pulp	- Production	5126	5667	556	511	544	542	6459	27.7
	- Imports	2816	3046	276	238	300	252	3201	0.6
	- Exports	2480	2784	219	272	301	296	3265	42.7
	- New Supply	5462	5930	613	477	543	498	6395	7.4
Dissolving Pulp	- Production	1406	1497	145	124	134	134	1610	22.0
	- Imports	291	306	17	16	17	30	239	-38.2
	- Exports	824	869	56	66	97	89	922	40.0
	- New Supply	873	934	106	74	53	75	927	-11.5
Paper Grades Chemical Pulp	- Production	3644	4107	404	378	403	402	4762	28.7
	- Imports	2495	2734	259	221	279	222	2942	5.5
	- Exports	1613	1870	155	200	202	201	2272	42.8
	- New Supply	4525	4971	508	400	480	423	5433	10.9
Groundwood Pulp and All Other	- Production	76	64	6	8	7	7	86	132.3
	- Imports	26	7	1	1	5	0	20	191.3
	- Exports	42	46	8	6	3	7	71	88.9
	-- New Supply	59	25	0	3	10	7	35	457.1

(1) Prodctn excludes defibrated, exploded & screenings-(000 tons): 1978 - 3,140; 1979 - 3,018; A.R.Y-T-D'80 - 2,424

SOURCES: Total Wood Pulp Imports & Exports - Department of Commerce. Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API.

FIBROUS RAW MATERIALS

(Thousands of tons)

CONSUMPTION AT PAPER & BD. MILLS					R	P		
Total	63449	66199	5733	5397	5822	5310	66787	3.6
Total Wood Pulp (2) A	47911	50156	4357	4100	4479	4103	51116	3.9
Market Wood Pulp A	4774	5031	441	418	443	400	5104	0.3
Waste Paper (3) A	14760	15400	1324	1246	1286	1157	15038	3.0
Rags, Straw & Other C, E	778	643	53	51	57	50	633	-7.5
INVENTORIES								
Wood Pulp at Pulp Mills A	130	107	105	109	115	130	130	0.0
Market Pulp at Pulp Mills A	187	132	160	140	143	165	165	0.0
Mkt Pulp at Ppr.& Bd. Mills CE	435	426	418	418	451	450	450	3.9
Waste Ppr.at Ppr.&Bd. Mills (4)	740	798	905	818	756	818	818	5.5
Rags, Straw and Other at Paper and Board Mills C, E	66	61	57	56	57	53	53	-17.2
Mkt Wood Pulp Days of Supply A	44	38	38	36	39	43	43	7.6
Wood Pulp Consumption at at Non-Paper Mills C, E	884	909	74	72	73	70	866	-6.0

A - Pulp & Raw Materials Group, API; C - Bureau of the Census; E - Most Recent Month Estimated by API

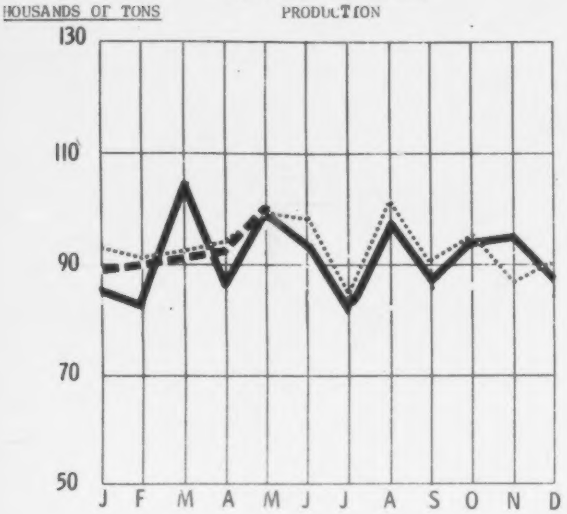
P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

(2) Excludes consumption of defibrated & exploded pulp for hard pressed bd.(000 tons): 1978 - 1,666; 1979 - 1,593

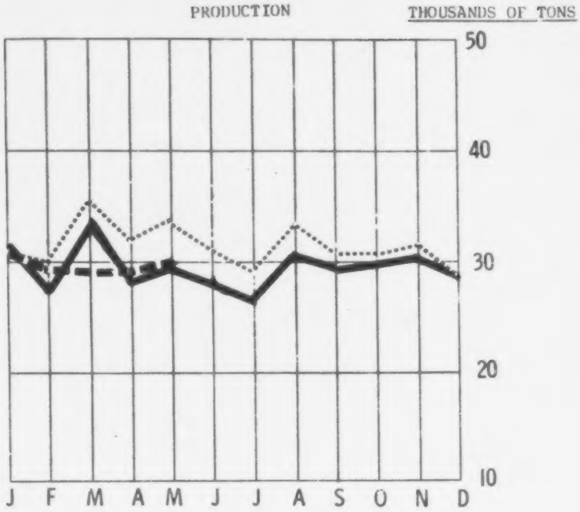
(3) Census Waste Paper Consumption, (000 tons): 1978 - 12,481; 1979 - 12,962; Jan-Mar '80 A.R. - 12,792

(4) Census data prior to 1979; more recent data are from the Paper Stock Conservation Committee, A.P.I.

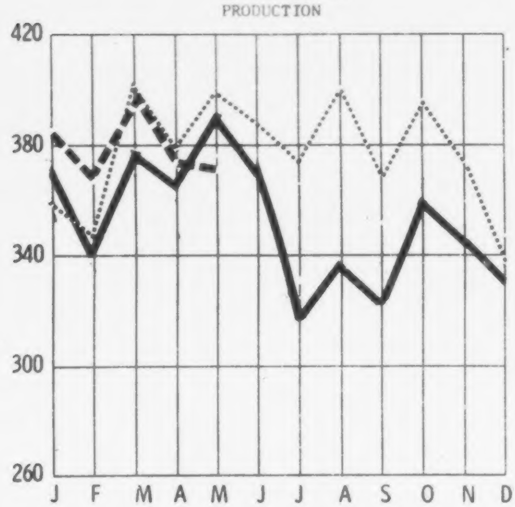
BLEACHED BRISTOLS



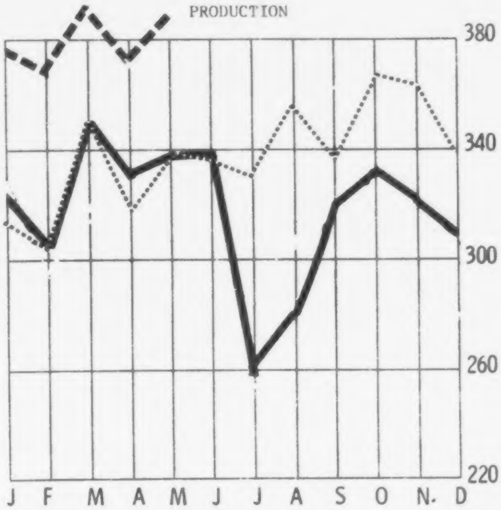
THIN PAPERS



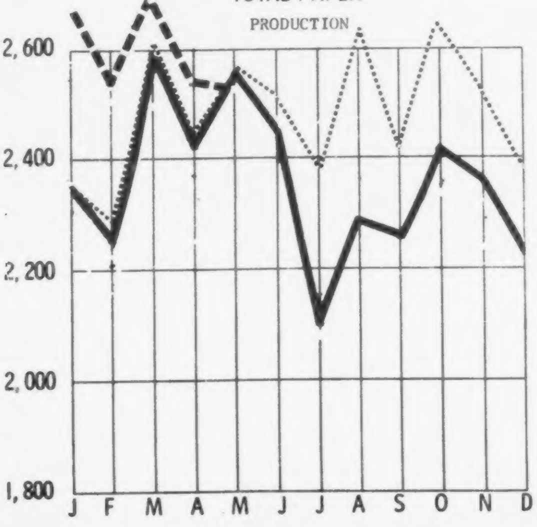
TISSUE PAPER



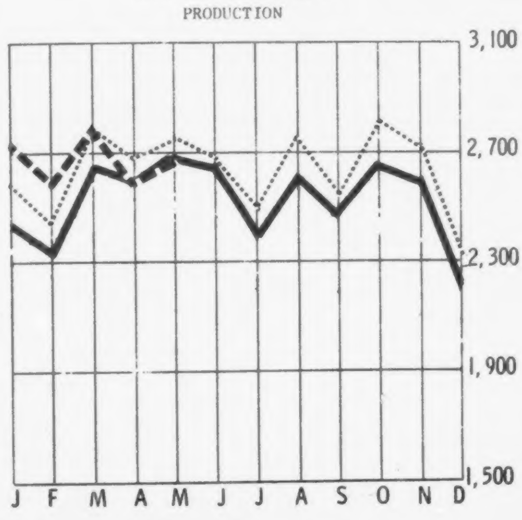
NEWSPRINT



TOTAL PAPER



TOTAL PAPERBOARD



1978 ▬ 1979 ······· 1980 ▬ ▬ ▬

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic foot) Cords)

		YEAR						Annual Rate	% Change from same
		1978	1979	JAN. 1980	FEB. 1980	MARCH 1980	APRIL 1980	Y-T-D 1980	Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	77025	78625	6906	6996	6895	6677	82422	11.2
	- Total Consumpt.	77290	79566	6923	6614	7044	6762	82029	3.3
	- Residues *	30369	30015	2415	2353	2491	2294	28659	-1.6
	- Inventories	6244	5506	5320	5677	5555	5464	5464	13.8
So. Atlantic	- Total Receipts	25353	26126	2248	2195	2209	2274	26778	5.0
	- Total Consumpt	25204	26523	2320	2235	2388	2253	27588	4.8
	- Residues *	8513	8858	730	694	760	722	8718	-1.4
	- Inventories	1191	1052	997	987	823	850	850	-17.9
Northeast	- Total Receipts	6664	7461	735	837	666	508	8238	13.7
	- Total Consumpt	6607	7584	680	635	682	659	7968	0.7
	- Residues *	1662	1670	119	153	146	150	1704	-0.7
	- Inventories	770	674	667	862	865	706	706	20.3
South Central	- Total Receipts	25572	26654	2281	2193	2202	2220	26688	5.7
	- Total Consumpt	25678	26432	2275	2171	2289	2209	26832	-0.0
	- Residues *	8418	8669	737	644	662	556	7797	-12.4
	- Inventories	1194	1472	1485	1495	1400	1404	1404	93.7
North Central	- Total Receipts	5291	5630	612	656	558	360	6558	32.2
	- Total Consumpt	5330	5535	459	446	449	448	5406	-5.6
	- Residues *	1456	1501	129	122	112	124	1461	8.0
	- Inventories	968	993	1119	1317	1436	1325	1325	85.8
West	- Total Receipts	14145	12754	1030	1115	1260	1315	14160	26.8
	- Total Consumpt	14471	13492	1189	1127	1236	1193	14235	12.7
	- Residues *	10320	9317	700	740	811	742	8979	8.0
	- Inventories	2121	1315	1052	1016	1031	1179	1179	-32.4

* - Consumption of Residues in Cord Equivalents.
SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 1979		MARCH 1980		APRIL 1980		Annual Rate Y-T-D	% Change from same Period
	Tons	$000	Tons	$000	Tons	$000	1980	Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206050	8867	26832	1161	5085	450	210999	19.3
Pulpwood Chips	1527734	30440	171262	4183	124704	3258	1574799	15.5
Wood Pulp, Total	4143944	1404354	414810	163372	304758	127522	4150095	3.1
Waste Fibrous Materials, Total	88344	13727	6513	1015	10815	1897	84607	3.2
Paper,Paperboard&Products,Total	8501965	2779223	788245	279896	734146	252000	8922981	3.6
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd. *	8457803	2725085	784240	273687	724042	242453	8857067	3.3
Paper, Total	8015574	2642945	733262	263870	677834	233584	8265560	1.3
Newsprint	7077209	2249470	676375	236234	628306	210077	7547961	3.9
Printing,Writing & Rel.Pap.	799355	322818	46149	21480	43411	19719	618098	-18.0
Pack. & Ind. Conv. Paper	118815	57854	10163	5754	5221	3185	90718	-25.7
Special Industrial Paper	3157	3324	93	123	91	132	1152	-72.2
Tissue Paper	17039	9479	482	280	804	471	7631	-52.1
Paperboard, Total	80636	17653	9295	2432	8862	2286	110533	56.7
Wet Machine Board	1522	703	232	123	187	90	1836	29.6
Construction Paper and Bd. *	360071	63784	41451	7263	37159	6494	479137	41.4
Convtd Paper&Paperbd Products	44163	54138	4005	6210	10104	9547	65914	54.9

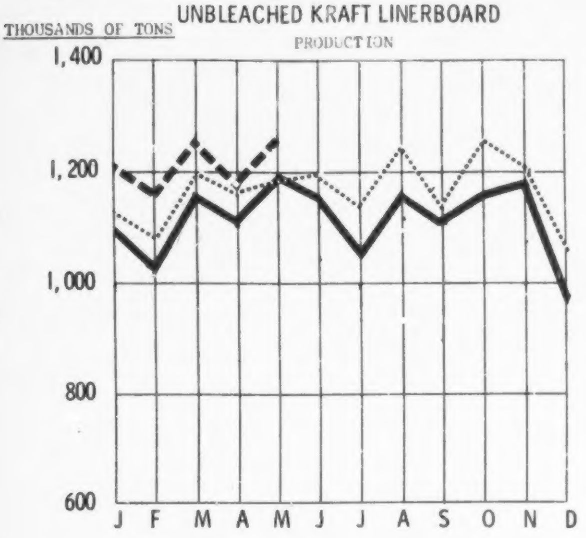
EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic feet)	263367	11446	18732	663	10134	479	151152	-67.1
Pulpwood Chips	87790	3790	3371	90	1121	51	24645	-72.4
Wood Pulp, Total	136641	49608	21602	5355	15300	4782	178638	40.1
Cotton Pulp & Other Pulp	7921	3728	1292	424	550	277	12384	47.3
Waste Paper	478477	50207	51940	5059	49348	4701	564516	49.8
Paper,Paperboard&Products,Total	624928	353202	56671	34350	48918	30126	634526	4.9
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board *	454029	248403	38150	22837	33645	20648	454749	1.9
Paper, Total	181451	142407	16562	15058	16039	14404	214496	21.1
Newsprint	2803	1734	129	154	179	186	1881	-51.0
Printing,Writing & Rel.Pap.	108290	76567	9647	7513	9055	7131	114590	7.9
Pack. & Ind. Conv. Paper	16084	10108	847	697	1377	1057	16202	3.3
Special Industrial Paper	46773	48173	5264	6126	4768	5471	76175	81.8
Tissue	7502	5825	675	569	660	559	5648	-40.6
Paperboard, Total	230904	83021	18300	6594	14290	4771	203624	-7.3
Wet Machine Board	5262	9916	252	148	478	242	3816	-35.2
Construction Pap. & Bd. E *	36411	13059	3037	1037	2838	1231	32814	-24.7
Convtd Paper&Paperbd Products	170900	104799	18521	11513	15273	9478	179777	13.4
* - Hard Pressed Board (not in total)								
Imports of Hard Pressed Bd.	29771	5370	5422	1043	2858	519	41097	125.6
Exports of Hard Pressed Bd.	20535	6878	2001	678	1688	557	20013	-22.9

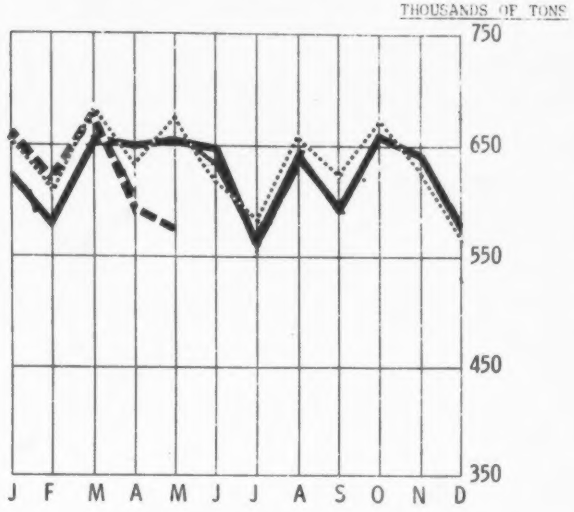
SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

UNBLEACHED KRAFT LINERBOARD

PRODUCTION

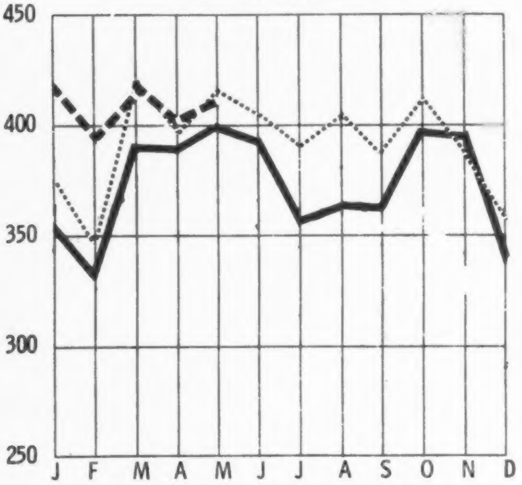


RECYCLED PAPERBOARD



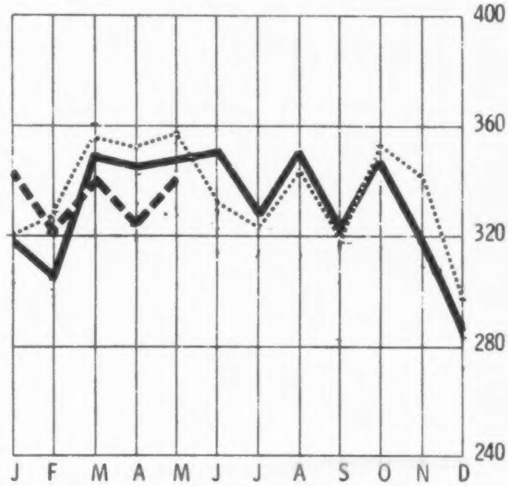
SEMI-CHEMICAL PAPERBOARD

PRODUCTION



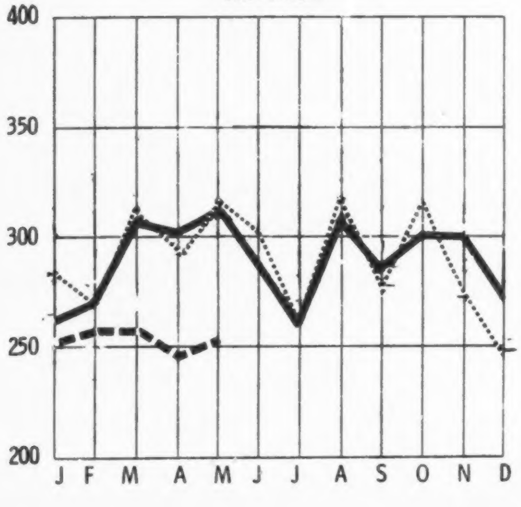
SOLID BLEACHED PAPERBOARD

PRODUCTION



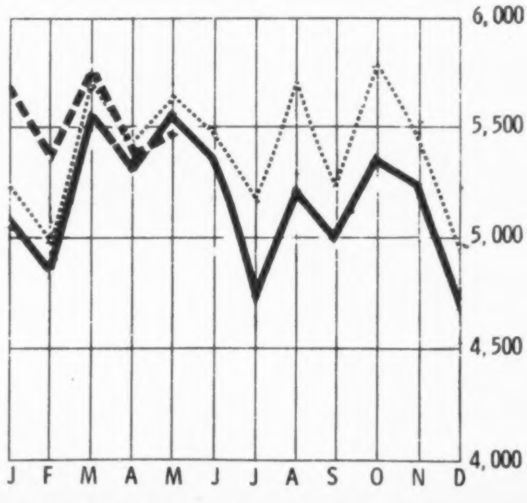
WET MACHINE BOARD AND BUILDING PAPER AND BOARD

PRODUCTION



TOTAL PAPER AND BOARD

PRODUCTION



1978 ━━━ 1979 .... 1980 ━ ━ ━

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1979 Tons	YEAR 1979 $000	MARCH 1980 Tons	MARCH 1980 $000	APRIL 1980 Tons	APRIL 1980 $000	(1) Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206074	8869	26832	1161	5085	450	210999	19.3
Pulpwood Chips	1574763	33413	171262	4183	124716	3267	1574835	12.3
Total All Imports	13554749	4693607	1282443	482144	1096948	418345	13883199	3.2
Wood Pulp, Total	4324033	1465149	444965	173665	319953	132788	4374366	4.8
Waste Paper	62310	8625	3069	279	8242	1537	49008	-11.5
Other Fibrous Materials	43640	13149	4523	1608	3573	1107	46076	-10.3
Paper,Paperbd&Products,Total	9124767	3206665	829886	306592	765180	282914	9413749	2.6
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	9028643	2983554	823910	292510	750222	256848	9303119	2.4
Paper, Total	8561213	2894764	770123	282094	701802	247552	8683460	0.3
Newsprint	7224195	2300450	684885	239498	630787	211275	7675317	4.2
Printing & Writing	1176253	510579	73659	35492	64166	32116	898875	-19.2
Uncoated Groundwood	804598	295996	45812	18990	39274	16042	586764	-22.2
Uncoated Book	142674	69291	10544	5364	10279	5474	120318	-7.6
Coated Print.& Impres. Pap	188846	108590	15490	8852	12499	7518	161661	-17.6
Bristols	2247	1243	116	79	85	86	2257	39.5
Writing and Similar Paper	22964	23403	1106	1407	1509	2240	19564	2.7
Thin (except Cigarette)	14924	12057	592	800	519	755	8310	-23.5
Total Pkg & Other Paper	143452	74013	11070	6809	6045	3691	101236	-36.5
Unbleached Kraft Paper	66816	23211	4116	1679	2858	1348	38310	-48.4
Other Pkg. & Indust. Paper	76636	50802	6954	5131	3187	2343	62926	-26.1
Tissue	17312	9722	509	295	804	471	8033	-51.0
Paperboard, Total	82203	19111	9435	2599	8883	2308	111363	55.7
Test or Containerboard	25725	6021	4448	1269	4058	1060	52561	149.1
Semi-Chemical Corrugating	33494	5889	2970	593	2564	497	34073	-4.2
Other Paperboard	22984	7201	2017	737	2260	751	24728	66.7
Wet Machine Board	2345	1341	249	136	252	168	2644	10.0
Construction Paper & Bd. *	382883	68338	44103	7682	39285	6819	505652	41.7
Building Paper	330147	56768	40242	6804	36993	6219	464064	50.1
Insulating Board	21682	4664	1384	321	953	288	16834	-28.7
Other Building Board	31054	6906	2477	558	1339	312	24754	2.9
Convtd Paper&Paperbd Products	96124	223111	5976	14082	14958	26066	110630	25.7
Paper Products, Total	90317	211663	5541	13057	14464	25034	105080	26.0
Paperboard Products, Total	5807	11447	434	1025	495	1032	5550	19.4
Notes								
Other: No Weight Avail. ($000)		81899		6144		5658	68544	-10.0
Total Imports Incl. Other($000)		4775506		488288		424003	5351696	19.4

EXPORTS

	YEAR 1979 Tons	YEAR 1979 $000	MARCH 1980 Tons	MARCH 1980 $000	APRIL 1980 Tons	APRIL 1980 $000	(1)	
Pulpwood, Roundwood (in cords of 128 cu. ft.)	263721	11473	21560	726	10167	481	171657	-62.7
Pulpwood Chips	4498671	197847	265850	19397	414961	30702	4236417	3.6
Total All Exports	8971706	3348409	965453	370914	1029590	404326	10953623	39.3
Wood Pulp,Total	2934815	1103783	320633	131930	360465	147328	3487998	47.2
Cotton Pulp and Other Pulp.	131444	74579	14599	7770	14998	10382	167961	36.1
Waste and Old Paper	2233246	256107	257064	29058	247654	30826	2906850	45.7
Paper, Paperbd&Products, Total	3672203	1913940	373157	202156	406473	215790	4390814	30.1
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3109859	1328320	314568	142037	346967	154335	3743474	32.1
Paper, Total	600874	507569	58107	51206	65963	56804	741069	38.9
Newsprint	71456	32046	4445	2051	17090	6713	114414	92.7
Printing & Writing	274608	233371	24234	22121	24806	23837	285293	12.2
Uncoated Groundwood	80392	55384	7495	5207	6591	5095	73163	-2.8
Clay Coated Paper	73521	57743	6020	5069	7330	5476	82095	20.7
Uncoated Free Sheet	68159	64146	5428	6099	6593	7427	69596	14.9
Other Printing & Writing	52536	56098	5292	5746	4292	5839	60439	20.0
Total Pkg. & Other Paper	226906	218218	24249	22477	17979	21032	293780	50.3
Unbleached Kraft	63695	27079	11280	4528	5182	2304	115766	95.4
Other Pkg. & Indust. Paper	163211	191138	12969	17950	12798	18728	178015	30.7
Tissue	27905	23934	5179	4557	6088	5223	47582	94.3
Paperboard, Total	2446972	769902	250879	88638	273650	94650	2932023	31.4
Solid Wood Pulp	2271161	712276	229949	81346	257411	87602	2749468	33.5
Total Linerboard	1644901	434515	151063	46443	187309	57162	1950934	29.4
Bleached Kraft Linerboard	179995	51186	20405	7009	14539	4893	188208	3.8
Unbleached Kraft Linerbd	1464906	383330	130658	39434	172770	52268	1762726	32.9
Other Unbleached Kraft	100301	33739	19733	6580	21918	7304	196751	92.8
Other Bleached Kraft	508601	238813	58184	27960	46162	22491	584833	33.3
Semi-Chemical Corrugating	17358	5208	970	364	2023	646	16949	57.3
Recycled Paperboard	175811	77626	20930	7291	16238	7048	182556	5.7
Wet Machine Board	7371	5146	547	322	802	619	7170	-18.5
Construction Paper & Bd. *	54642	25704	5035	1871	6552	2261	63211	5.3
Building Paper	34020	14420	2071	708	2059	752	28079	-28.0
Insulating Board E	20623	11284	2964	1162	4493	1509	35132	67.1
Convtd Paper&Paperbd Products	562343	585620	58589	60119	59506	61455	647340	19.5
Paper Products, Total	332256	427080	33660	41105	39104	46140	395608	29.9
Paperboard Products, Total	230087	158540	24930	19015	20402	15315	251732	6.2
Notes								
Other: No Weight Avail. ($000)		9803		966		892	11567	29.5
Total Exports Incl. Other($000)		3358212		371879		405218	4198675	48.3
* Hard Pressed Board (not in total)								
Imports of Hard Pressed Board	260775	39528	16511	3052	10625	2105	182166	-17.3
Exports of Hard Pressed Board	32030	11223	3198	1064	2478	836	28494	-13.7

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PAPER AND PAPERBOARD PRODUCTION

CENSUS DATA

(Thousands of Tons)

	YEAR 1978	1979	DEC. 1979	JAN. 1980	FEB. 1980	MARCH 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
PAPER					R	P		
Newsprint	3489	3797	323	388	370	385	4574	26.6
Uncoated Groundwood Papers	1569	1674	135	122	112	126	1438	-14.2
Coated Papers	4513	4675	388	423	379	418	4881	6.4
Uncoated Free Sheet (1)	7315	7508	614	689	658	716	8251	12.1
Cotton Fiber Paper (1)	119	127	10	12	12	10	140	5.8
Thin Papers	350	376	28	31	29	28	357	-6.3
Bleached Bristols	1127	1114	90	97	86	92	1099	-0.2
Tissue Paper	4245	4310	328	377	353	375	4420	5.5
Unbleached Kraft Packaging & Industrial Conv. Papers(1)	3873	3923	304	342	344	345	4127	9.7
Other Paper (1)	1905	1791	159	173	158	165	1986	17.0
TOTAL PAPER GRADES	28505	29295	2378	2656	2501	2661	31272	9.7
PAPERBOARD								
Solid Wood Pulp Furnish	22500	22833	1765	2040	1921	2047	24032	8.5
Unbleached Kraft Linerboard	13215	13685	1039	1195	1134	1198	14104	4.9
Other Unbl. Kraft Paperboard	898	1014	61	92	84	108	1136	12.0
Bleached Kraft Paperboard	4002	3934	311	349	326	343	4073	12.3
Semi-Chemical Paperboard	4384	4200	354	405	377	399	4719	16.2
Recycled Paperboard	7534	7240	594	645	630	658	7735	6.4
TOTAL PAPERBOARD GRADES	30034	30073	2358	2685	2551	2706	31767	8.0
WET MACHINE BOARD	136	144	16	14	12	13	155	18.3
CONSTR. PAPER & INSUL. BOARD	3332	3322	230	237	245	244	2905	-12.6
TOTAL ALL GRADES [Excl. H.P.B.]*	62006	62834	4983	5591	5310	5624	66099	7.7

PRODUCER PRICE INDEXES

1967 = 100

	1978	1979	FEB.	MARCH	APRIL	MAY		
Pulp, Paper and Products	195.6	219.0	238.9	241.6	246.5	248.9	242.7	14.5
Pulp, Paper & Products, except Waste Paper ♦	195.6	219.2	239.2	241.9	246.6	249.3	242.9	14.6
Total Wood Pulp	266.5	314.3	358.5	359.0	386.8	388.0	369.8	24.3
Total Paper	206.1	229.6	247.5	250.5	253.6	256.5	250.7	12.3
Total Paper, exc. Newsprint	199.4	222.8	240.3	244.4	248.5	249.5	244.1	12.7
Newsprint	226.3	249.9	269.4	269.4	269.4	277.6	271.0	11.8
Total Paperboard	179.6	202.1	223.4	225.9	230.2	239.2	228.1	17.7
Total Paper and Paperboard ♦	197.8	220.9	239.9	242.8	246.3	251.1	243.6	13.9
Converted Products	186.5	209.9	228.7	231.3	234.6	236.1	231.7	14.1
Waste Paper	191.2	206.6	223.2	224.9	242.5	226.1	227.9	13.6
All Commodities	209.3	235.5	259.8	261.5	262.3	263.7	260.4	14.9
Industrial Commodities	209.4	236.4	265.4	268.2	270.7	271.2	267.2	18.4

(1) - Grade definitions revised by Census as of January 1979. New grades now consistent with API definitions. 1977 and 1978 Census data adjusted by API for comparability with 1979.

* See page 3 for Hard Pressed Board data. ♦ Computed by API P-Preliminary R-Revised

SOURCES: Production - Bureau of Census, U.S. Department of Commerce
Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor

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Part of this strength reflected production for export. The May export total of 176,000 tons, while not a record high rate was exceeded only by the peak export rates reached in 1971 and 1972. The five month 1980 production for export total was 24% over the year-ago level. Production of semi-chemical paperboard also ran fairly strong, with the five month total 5.6% over year-ago level.

Consumption of containerboard at fibre box plants and shipments of corrugated shipping containers from box plants declined in April and May 1980 from their lofty first quarter levels. On a seasonally adjusted basis, the April rate of shipments was 5% below the first quarter average; the May rate was 14% below that average. Consumption of containerboard at box plants showed somewhat smaller declines, suggesting some build-up of inventories of finished boxes at box plants. Inventories of containerboard at box plants and at paperboard mills increased 219,000 tons from April 1 to June 1, 1980. However, the inventory level as of June 1 represented 6.2 weeks of supply at current rates of consumption, which is not high by historic standards.

Production of solid bleached paperboard in the first five months of 1980 dipped 1.3% below its year-ago total. Production for domestic use showed an even sharper decline as production for export moved to new highs. The five months 1980 export production rate, at 540,000 tons per year, was 10% over the corresponding year-ago rate and about the same percentage over the average level for all of 1979. Declines in production of bleached paperboard for domestic use were concentrated in milk carton and lightweight cup stock. Heavyweight cup and plate, dish and tray stocks showed an increase over their year-ago level, but the May 1980 figures were below the May 1979 levels. Production of nearly all the recycled paperboard grades in the first five months of 1980 were below the year-ago levels, with the total down 4.6%.

Market Trends

The major markets for paper and paperboard have been moving downward since March. Total production of non-durable goods in May 1980, at an index level of 159.6 (1967 = 100) was down by 3.4% from its first quarter average, while total printing and production activity was down by 4.2% during that same period. However, the production of consumer non-durable goods declined by only 1.3% in that period. Production of durable goods, by way of contrast was 6% below its first quarter average in May 1980. Total economic activity, as measured by the real gross national product, dropped a little over 2% from the first quarter of 1980 to the second quarter, according to preliminary estimates. This is an 8.5% per year rate of decline, which is fairly steep and significant since it is almost totally in final sales.

Imports, Exports and New Supply

Imports of paper, paperboard and products in April 1980 at an annual rate of 9.0 million tons, were about 4% below their first quarter average. Exports, at 4.9 million tons per year, were up about 15%.

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Based on the available data for the first two months of 1980, it appears that the new supply in the second quarter is at a rate of about 67.5 million tons per year, 6% below the 71.7 million tons per year high of the first quarter. This decline is somewhat larger than the production declines recorded in the paper and paperboard's end-use markets and in total real GNP.

Sales and Earnings

The Federal Trade Commission recently released data on sales and earnings of paper and allied products companies for the first quarter of 1980.

The table below summarizes the data for that quarter together with the corresponding data for the four quarters of 1979.

The sales total for the first quarter of 1980, at $14.7 billion represents a new high and marks a 13% increase over the first quarter 1979 total. Before-tax earnings were down 9%, while after-tax earnings showed a drop of 8%. However, earnings are based on the total operations of the corporations, which include extraordinary items. Data compiled from reports in the press indicate that paper industry profits in the first quarter of 1980 were above their adjusted year-ago totals. (See May 1980 Monthly Statistical Summary)

PAPER AND ALLIED PRODUCTS COMPANIES

SALES AND EARNINGS

	Net Sales	Income Before Taxes	Income After Taxes	Stock-holders' Equity	Income After Taxes as % of Net Sales	Income After Taxes as % of Stock-holders' Equity
	$ Million					
1979 - First Q	12,997	1,286	867	21,282	6.7%	13.2%
Second Q	13,828	1,360	917	21,808	6.6%	16.8%
Third Q	14,133	1,686	1,162	22,688	8.2%	20.5%
Fourth Q	14,401	1,074	777	23,206	5.4%	13.4%
Full Year	55,359	5,406	3,723	23,206**	6.7%	16.0%
1980 First Quarter	14,682	1,167	795	24,002	5.4%	13.2%
Percent Change 1st Q 80/1st Q'79	+13.0%	-9.3%	-8.3%	+12.8%		

*Annual Rate **Year End

Source: Federal Trade Commission

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

JUNE 26, 1980

	PRODUCTION (000 TONS)					
	May	April	May	Jan - May		% Change
	1980	1980	1979	1980	1979	80/79
PAPER GRADES	P	R				
Newsprint	390	374	339	1901	1629	16.7
Uncoated Groundwood (s)	128	135	132	648	622	4.2
Coated Paper (s)	367	377	374	1964	1881	4.4
Uncoated Free Sheet Paper (s)	667	693	685	3485	3226	8.0
Thin Paper (c)	30	28	34	147	161	-8.5
Cotton Fiber Paper (s)	10	11	11	56	54	3.9
Bleached Bristols (c)	99	93	99	464	468	-0.9
Tissue Paper	370	373	398	1898	1889	0.5
Unbleached Kraft Packaging & Indl. Converting (s)	325	319	346	1672	1651	1.3
Other Paper (c)	155	150	156	802	726	10.4
TOTAL PAPER	2541	2552	2574	13037	12307	5.9
PAPERBOARD GRADES						
Kraft Linerboard, Unbleached	1246	1168	1184	6011	5726	5.0
Other Kraft Paperboard	97	94	110	474	544	-12.8
Semichemical Paperboard	414	408	416	2059	1951	5.6
Bleached Paperboard	343	326	355	1684	1705	-1.3
Recycled Paperboard	571	580	671	3095	3243	-4.6
TOTAL PAPERBOARD	2670	2576	2737	13323	13169	1.2
CONSTRUCTION & WET MACH GRADES(c)	252	247	314	1264	1468	-13.9
TOTAL PAPER AND PAPERBOARD	5462	5374	5625	27624	26944	2.5
HARD PRESSED BD.[not in total](c)	120	120	187	680	881	-22.8

WOOD PULP (ALL GRADES)	April	March	April	Jan -April		% Change
	1980	1980	1979	1980	1979	80/79
Dissolving & Special Alpha	134	134	121	538	438	22.8
Bleached Sulphite	119	124	120	480	408	17.8
Unbleached Sulphite	32	34	32	131	129	1.6
Bleached & Semi-Bl. Sulph.	1597	1676	1501	6458	5876	9.9
Unbleached Sulphate	1641	1771	1673	6790	6560	3.5
Semichemical	345	365	341	1395	1307	6.7
Groundwood and Thermo-Mechanical	375	394	366	1491	1443	3.4
TOTAL PULP DIVISION DATA	4243	4496	4154	17282	16160	6.9
Defib. Exploded & Scrngs E	181	191	263	808	997	-19.0
TOTAL WOOD PULP PRODUCTION	4424	4687	4417	18090	17157	5.4

Note: Paperboard cumulative totals include revisions not available monthly.

(s) - Shipments　R - Revised　E - Estimate　NC - Not comparable
P - Preliminary　(c) - Census Data - Production, last 2 months estimated.

June 27, 1980

	Full Year		INDUSTRY DATA 1980			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1978	1979	March	April	May		
Total Production (API).......¦ ¦...	62095	64755	5746	5374	5462	66296	2.5
Total Seasonally Adjusted....¦ excluding ¦...			5492	5281	5231	65063	1.9
Imports (including Products).¦hard pressed¦..E	9117	9125	830	765	765	9367	2.2
Exports (including Products).¦ board ¦..E	3373	3672	373	407	405	4485	31.6
Apparent Consumption.........¦ ¦...	67840'a	70208Rb	5949	5639	5591	69948c	0.5
Paper Production % Tonnage Capacity...........	93.1s	95.9Rs	98.1	94.5	90.7	96.0sh	-
Paperboard Production % Tonnage Capacity......	92.8s	94.2Rs	95.7	91.2	90.7	93.1s	-
			February	March	April		
MARKET WOOD PULP PRODUCTION - Tons (000).........	5126	5667	511	544	542	6459	27.7
TOTAL WOOD PULP PRODUCTION - Tons (000)..(f)....	47228	49743	4153	4496	4243	51847	6.9
WOOD PULP IMPORTS - TONS (000)..................	4025	4324	328	445	320	4374	4.8
WOOD PULP EXPORTS - TONS (000)..................	2599	2935	269	321	360	3488	47.2
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS			February	March	April		
Wood Pulp..(k).............................	47911	50156	4100	4479	4103	51116	3.9
Waste Paper....(d).........................	14760	15400	1246	1286	1157	15038	3.0
Other (Census).............................E	778	643	51	57	50	633	-7.5
Total................	63449	66199	5397	5822	5310	66787	3.6
..WOOD PULP - NON PAPER........................E	884	909	72	73	70	866	-6.0
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	77290	79566	6614	7044	6762	82029	3.3
EMPLOYMENT (000)			March	April	May		
Paper and Allied Products..........Total......	700.9	714.1	710.7	707.8	702.6	708.6	0.2
Pulp, Paper and Board Mills........Total.....E	267.0	271.2	271.3	269.8	268.0	270.6	1.4
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products....................	6.52	7.12	7.54	7.62	7.61	7.55	9.8
Pulp, Paper Mills..........................E	7.44	8.26	8.76	8.87	8.87	8.79	11.1
Paperboard Mills...........................E	7.68	8.38	8.89	9.07	9.07	8.94	10.4
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1979 Q4	1980 Q1	1980 Q2		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	3.46	4.88	5.23	5.91	5.97	6.04y	23.8
INDEX OF OUTPUT PER MAN-HOUR (1967=100).........			January	February	March		
¦IN PULP, PAPER ¦...Production Workers.........	153.9	159.4	170.5	166.4	165.3	167.4	5.1
¦AND BOARD MILLS¦...All Employees..............	148.4	153.6	163.6	159.7	158.4	160.6	5.0
PAPER AND ALLIED PRODUCTS (Million $)			February	March	April		
Industry Shipments (Dept. of Commerce)*.......	57654	66033	5857	5863	5837	70872	11.4
Pulp, Paper and Paperboard*................	25343	30165	2803	2746	2747	33087	15.0
Inventories (End of Period) - Total Industry*.	5875	6779	7156	7296	7336	7336	18.2
Pulp, Paper and Paperboard*................	2006	2321	2421	2435	2510	2510	21.9
			1979 Q3	1979 Q4	1980 Q1		
Sales (Corporations Only, FTC)................	48982RS	55359	14133	14401	14682	58728	13.0
Earnings (Corporations Only, FTC).............	2598RS	3724	1162	778	795	3180	-8.3
Depreciation (Corporations Only, FTC).........	1726RS	1896	481	489	504	2016	12.8
Net Worth (Corporations Only, FTC)............	20794RS	23206	22688	23206	24002	24002	12.8
PRICE INDEXES (Bureau of Labor Stats)1967=100			March	April	May		
Total Pulp, Paper and Allied Products.........	195.6	219.0	241.6	246.5	248.9	242.7	14.5
Wood Pulp.....................................	266.5	314.3	359.0	386.8	388.0	369.8	24.3
Waste Paper...................................	191.2	206.6	224.9	242.5	226.1	227.9	13.6
Paper...	206.1	229.6	250.5	253.6	256.5	250.7	12.3
Paperboard....................................	179.6	202.1	225.9	230.2	239.2	228.1	17.7
PAPER DEMAND (INDEXED: 1967=100)			March	April	May		
Total Paper Production *......................	135.5	142.7	147.2	145.3	143.0	146.7	5.2
Paper New Supply *............................	132.9	137.9	143.3	138.6	136.8	140.7	3.5
Total End - Use Index *....................	139.5	144.5	145.8	143.1	141.2	144.7	0.3
Production of Nondurable Goods *...(19%)..	157.0	163.3	164.3	161.8	159.6	163.4	0.8
Disposable Income (Constant $) *...(23%)..	145.2	148.5	148.1	147.0	146.0	148.0	-0.4
Total Printing and Publishing *...(58%)..	131.5	136.8	138.8	135.5	133.3	137.3	0.4
Trend Factor	-----------------	-----------------	----------	--Not Available--	----------	-----------------	-----
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *.................	132.8	137.9	140.8	132.0	131.3	137.1	0.6
Production for Domestic Use	131.1	135.5	136.8	128.8	125.8	133.0	-1.0
Total End - Use Index *....................	147.7	151.6	150.1	147.3	144.4	148.7	-2.1
Production of Consumer Goods *...(60.49%)	149.1	150.3	147.9	145.2	142.7	146.5	-3.1
Production of Equipment *...(6.62%)	132.8	142.1	146.0	145.1	143.4	145.2	3.1
Production of Materials *...(32.89%)	148.3	156.0	155.1	151.5	147.6	153.4	-1.3
Trend Factor	-----------------	-----------------	----------	--Not Available--	----------	-----------------	-----
NEWSPRINT MARKETS			February	March	April		
Consumption by Publishers - Tons (000)........	10872	11240	874	970	931	10936	0.0
Newspaper Pub. and Printing Emp. Total (000)..	407.4	420.7	429.3	428.8	428.4	428.7	3.3
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	115090	117972	8496	10605	10328	110589	4.6
WHOLESALERS SALES AND INVENTORIES (Million $)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	17586	19721	1774	1799	1726	21408	14.1
Inventories (End of Period)	1482	1695	1694	1740	1782	1782	18.7
Paper Only.............................Sales	13078	14788	1290	1354	1298	15816	12.5
Inventories (End of Period)	1025	1141	1144	1185	1217	1217	19.5
RETAIL TRADE (Million $)			March	April	May		
Total Retail Sales *..........................	799054	884407	76534	74774	73458	917815	6.7
Nondurable Goods Stores Sales *..............	518190	576882	52238	52073	51935	624158	12.4
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	146.1	152.1	151.6	148.6	145.5	150.1	-1.2
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	209.3	235.5	261.5	262.3	263.7	260.4	14.9
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	195.4	217.4	239.8	242.5	244.9	239.4	14.4
			February	March	April		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	275.6	311.3	308.2	307.6	306.1	306.1	8.3
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1979 Q3	1979 Q4	1980 Q1		
G.N.P. or Expenditure - Current $.............	2127.6	2368.8	2396.5	2456.9	2520.8	2520.8	10.0
G.N.P. OR Expenditure - 1972 $................	1399.2	1431.6	1433.3	1440.3	1444.7	1444.7	1.0

lb/capita	Popul.(mil)
.a - 620	218.7
.b - 637	220.6
.c - 630	221.9

.d - 1977 - 12103; 1978 - 12481
. 1979 12956;Jn-Mr'80A.R.12792
. (000 tons) as pub. by Census
.E - Last month estimated by API

f - Wood Pulp Production excludes estimates for def. expl. & scrngs. Prod. was: 1978 - 3,140; 1979 - 3,018; 1980 A.R.Y-T-D 2,424 (000 tons)
s - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
k - Excludes consumption of defib. & expl. pulp for hard p. bd.: '78 - 1,666; '79 - 1,593 (000 tons)

N.A. - Not Available
P - Preliminary
Q - Quarter
R - Revised
RS - Revised Series
y - Full year estimated by U.S. Dept. of Commerce
* - Seasonally adjusted

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MONTHLY STATISTICAL SUMMARY

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Vol. 58 JULY 1980 No. 7

PAPER AND PAPERBOARD: SECOND QUARTER 1980

Total Industry

The rate of paper and paperboard production held fairly steady during the past three months, but it was 4% below the first quarter record rate. At a seasonally adjusted rate of 63.6 million tons per year, production was 1.4% below the average 1979 level. The construction and wet machine board grades showed the greatest declines, falling 11% from the first to second quarter on a seasonally adjusted basis. If these grades are excluded, the decline in the rate of paper and paperboard production alone from the first to second quarters of 1980 was 3.6%.

Imports and Exports

Even with the relatively sharp decline in total economic activity recorded from the first to second quarters of 1980, imports of total paper and paperboard showed only a small decline. This reflected the strength in newsprint imports, as newspaper publishers built up inventories in preparation for strikes at Canadian newsprint mills. Excluding newsprint, imports of paper, paperboard and products fell by 10% from the January-May 1979 period to the January-May 1980 period. Exports, on the other hand, rose sharply; exports of linerboard in the January-May 1980 period were some 28% above their year-ago level. API data on production of kraft linerboard for export indicate a further increase in June, suggesting that for the first six months of the year, kraft linerboard exports were about 30% above their year-ago total.

Continued on Page 2

Continued from Page 1

New Supply

The rate of new supply (production plus imports less exports) of paper and board in the second quarter of 1980 was an estimated 68.3 million tons per year, 4.5% below the first quarter record high rate of 71.5 million tons per year, but only 2.5% below the total 1979 rate.

The second quarter 1980 rate of total paper and paperboard new supply was about in line with requirements by paper and paperboard consumers. This appears to be the case whether the consumption is viewed in terms of the economy as a whole, or viewed at the level of the first consumer. For example, the ratio of paper and board new supply to total economic activity as measured by the real gross national product in the second quarter of 1980 was 48.4 thousand tons per billion dollars of real GNP. During the four years 1976 through 1979 the ratio of new supply of paper and paperboard to real GNP averaged 48.5 thousand tons per billion dollars. This suggests that at 48.5 thousand tons per billion dollars of real GNP, new supply is in balance with requirements of the final consumer. When adjustment is made for the build-up in newsprint inventories, new supply in the second quarter may have been a little less than the indicated use.

Similarly, a comparison of new supply to production of consumer non-durable goods, a major market for paper and paperboard packaging, shows the average level of new supply in the first half of 1980 close to the average of this ratio for 1979 as a whole.

Production by Grade

Within the grade structure, production of paper held up a little better than paperboard during the first half of this year. The rate of paper production declined 2.[illegible]% from the first to second quarters of 1980; paperboard production declined 4.8%.

Domestic newsprint production in the first six months of 1980 was 17% above its year-earlier total. This reflected not only inventory demand for newsprint, but also the impact of several new domestic newsprint mills coming on stream during the past year and a half.

While the production of printing/writing grades remained above the year-ago level for the first half of the year, the second

Continued on Page 11

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

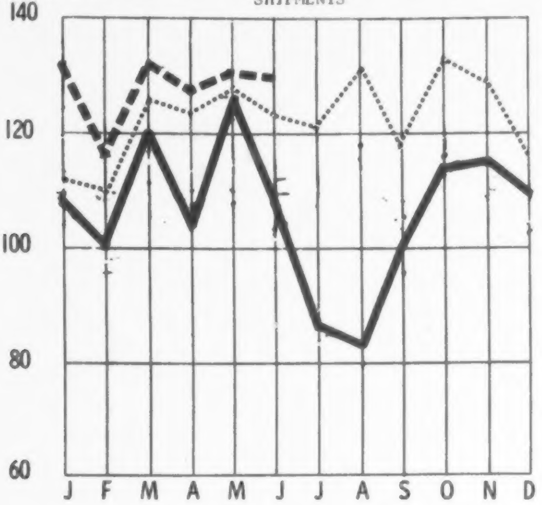
	YEAR		MARCH	APRIL	MAY	JUNE	Annual Rate Y-T-D	% Change from same Period Last Year
	1978	1979	1980	1980	1980	1980	1980	
PAPER					R	P		
Newsprint - Production	3768	4062	395	374	405	386	4612	17.3
- Shipments	3779	4066	387	382	402	385	4584	16.7
Printing & Writing	14596	15368	1399	1319	1322	1293	16052	5.1
Groundwood Paper - Shipments	1354	1509	132	127	132	131	1540	3.9
- New Orders	1414	1519	136	116	105	122	1519	0.8
- Unfilled Orders	185	149	179	170	157	150	150	2.2
Coated Paper - Shipments	4403	4527	415	377	380	372	4701	5.1
- New Orders	4433	4547	373	403	421	382	4897	8.8
- Unfilled Orders	404	513	378	405	436	451	451	8.2
Unctd Free Sheet - Shipments	7221	7813	725	684	682	666	8289	6.6
- New Orders	7538	7826	682	652	623	593	7839	-0.5
- Unfilled Orders	754	781	711	689	641	560	560	-24.4
Thin Paper - Production *	350	376	28	27	30	28	348	-9.5
Cotton Fiber Paper - Shipments	114	125	11	11	10	10	131	2.3
Bleached Bristols - Production	1103	1018	88	94	89	86	1044	1.4
Tissue Paper - Production	4215	4506	398	371	376	340	4475	-1.1
Total Packaging & Other Paper	5789	5725	511	469	480	450	5847	2.0
Unbl. Kraft Paper - Shipments	3884	3934	346	319	325	305	3954	-0.5
Other Paper - Production * #	1905	1791	165	150	155	145	1893	7.6
TOTAL PAPER-Production-Unadj.	28367	29661	2703	2533	2584	2469	30986	5.2
-Production-S.A.			2560	2517	2538	2496	30580	4.6
PAPERBOARD - PRODUCTION							##	
Solid Wood Pulp Furnish	22790	23838	2111	1996	2099	2058	24577	2.7
Unbl. Kraft Linerboard - Total	13228	13951	1241	1169	1247	1258	14549	5.2
Production for Export	1466	1645	162	147	177	221	2061	30.6
Other Unbl. Kraft Paperboard	1144	1200	101	93	96	84	1112	-14.7
Semichemical Paperboard	4439	4689	422	408	414	401	4921	4.6
Production for Export	119	98	12	9	8	28	158	58.7
Solid Bleached Paperboard	3979	3998	347	326	343	314	3996	-2.1
Production for Export	430	491	45	40	52	50	550	9.3
Recycled Paperboard	7485	7591	666	580	571	566	7322	-5.3
Production for Export	22	22	4	5	4	4	44	110.0
TOTAL PAPERBOARD-Prod.-Unadj.	30275	31429	2777	2576	2670	2625	31900	0.8
- Containerboard Prod.(Dom. Use)	17908	18825	1661	1577	1649	1566	19201	2.7
- Boxboard Production (Dom. Use)	6505	5776	511	469	470	437	5727	-4.2
- All Other P'bd Prod.(Dom. Use)	3825	4571	381	330	311	318	4158	-12.8
- Total Paperbd Prod. for Export	2037	2257	223	200	241	303	2813	27.7
TOTAL PAPERBOARD PROD. - S.A.			2678	2511	2498	2638	31352	0.4
WET MACHINE BOARD *	136	144	13	12	12	11	147	12.0
BUILDING PAPERS *	1915	1900	149	145	140	135	1711	-12.4
INSULATING BOARD *	1416	1422	95	95	100	90	1151	-20.9
TOTAL ALL GRADES - Unadjusted	62109	64555	5737	5360	5506	5330	65896	1.9
- Production - S.A.			5484	5267	5274	5365	64937	1.5
HARD PRESSED BD. [not in total]*	2294	2123	124	120	120	110	1580	-24.7

*	Census Data - Production. Last two months estimated.	S.A.	Seasonally Adjusted
#	Production excludes API bleached kraft envelope.	P	Preliminary
##	Includes revisions not available monthly.	R	Revised

Data for unbleached kraft folding boxboard for 1979 and 1980 included in All Other.

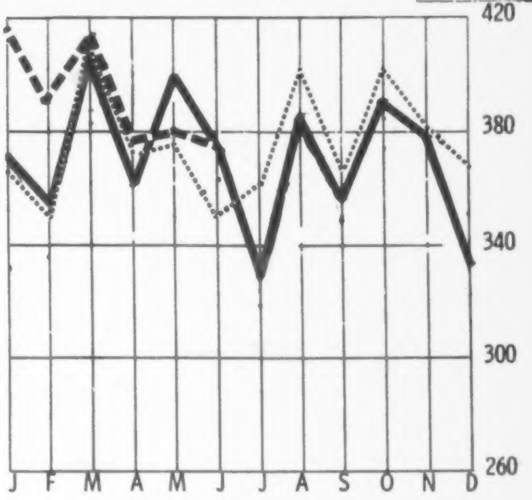
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



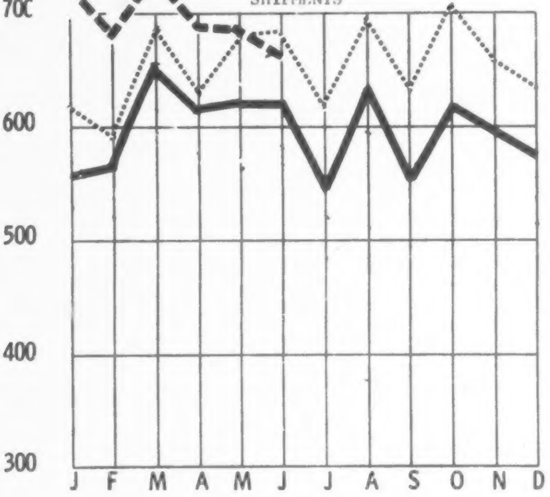
COATED PAPER

SHIPMENTS



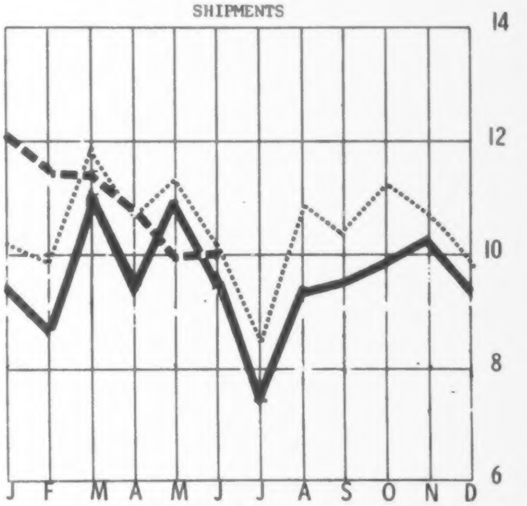
UNCOATED FREE SHEET PAPERS

SHIPMENTS



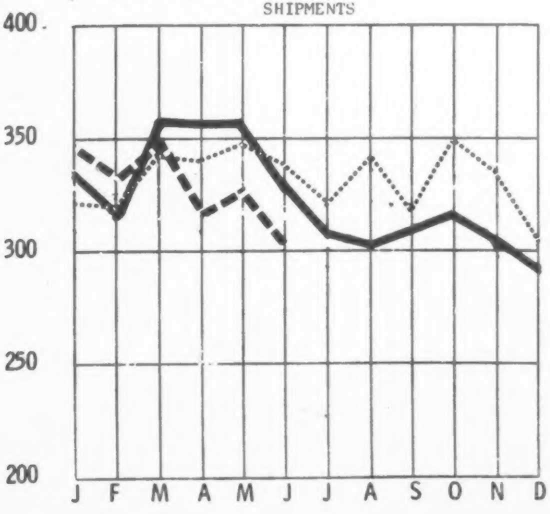
COTTON FIBER PAPER

SHIPMENTS



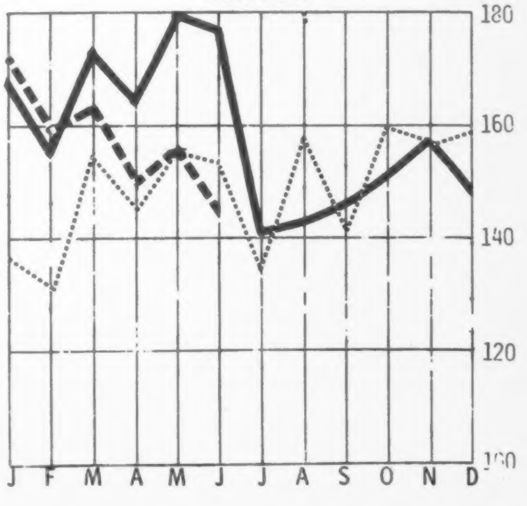
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1978 ——— 1979 ········ 1980 ▬ ▬ ▬

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR		FEB.	MARCH	APRIL	MAY	Annual Rate Y-T-D	% Change from same Period
	1978	1979	1980	1980	1980	1980	1980	Last Year
TOTAL WOOD PULP (1)					R	P		
Total Wood Pulp - Production	47228	49743	4153	4496	4243	4447	52151	6.1
- Imports	4025	4324	328	445	320	373	4395	-0.8
- Exports	2599	2935	269	321	360	317	3552	46.0
- New Supply	48653	51133	4212	4621	4202	4503	52994	3.6
Dissolving Pulp - Production	1411	1497	125	134	134	138	1621	17.1
- Imports	189	193	21	21	32	19	282	45.0
- Exports	758	764	54	91	84	58	794	31.0
- New Supply	842	926	92	63	81	99	1110	14.0
Paper Grades Chemical Pulp - Production	37893	39785	3337	3604	3390	3564	41815	6.1
- Imports	3627	3930	301	396	282	328	3917	-2.4
- Exports	1780	2100	210	220	268	254	2669	50.1
- New Supply	39740	41614	3428	3780	3403	3638	43063	3.4
Groundwood and Thermo-Mech. - Production	4141	4394	359	394	375	395	4526	3.7
- Imports	208	201	6	28	6	26	195	-12.1
- Exports	62	70	5	10	8	5	90	79.5
- New Supply	4287	4525	360	413	373	415	4632	2.1
Semi-Chemical - Production	3783	4068	332	365	345	351	4189	4.6
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	3783	4068	332	365	345	351	4189	4.6
MARKET WOOD PULP								
Total Market Wood Pulp - Production	5126	5667	511	544	543	572	6544	24.2
- Imports	2816	3046	238	300	252	239	3134	-1.2
- Exports	2480	2784	272	301	298	287	3304	43.2
- New Supply	5462	5930	477	543	498	524	6373	4.0
Dissolving Pulp - Production	1406	1497	124	134	134	138	1619	16.5
- Imports	291	306	16	17	30	15	227	-39.4
- Exports	824	869	66	97	89	72	910	32.2
- New Supply	873	934	74	53	75	81	935	-13.0
Paper Grades Chemical Pulp - Production	3644	4107	378	403	403	428	4839	26.3
- Imports	2495	2734	221	279	222	223	2890	3.6
- Exports	1613	1870	200	202	202	213	2331	47.6
- New Supply	4525	4971	400	480	423	438	5397	7.0
Groundwood Pulp and All Other - Production	76	64	8	7	7	7	86	83.7
- Imports	26	7	1	5	0	1	17	188.0
- Exports	42	46	6	3	8	2	63	54.1
- New Supply	59	25	3	10	0	5	41	233.3

(1) Prodctn excludes defibrated, exploded & screenings-(000 tons): 1978 - 3,140; 1979 - 3,018; A.R.Y-T-D'80 - 2,402

SOURCES: Total Wood Pulp Imports & Exports - Department of Commerce. Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API.

FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & BD. MILLS					R	P		
Total	63449	66199	5398	5821	5310	5562	66780	2.1
Total Wood Pulp (2) A	47911	50156	4101	4479	4103	4325	51273	2.5
Market Wood Pulp A	4774	5031	418	443	400	410	5067	-0.9
Waste Paper (3) A	14760	15400	1246	1286	1157	1185	14875	1.1
Rags, Straw & Other C, E	778	643	51	57	50	52	631	-7.1
INVENTORIES								
Wood Pulp at Pulp Mills A	130	107	109	115	131	160	160	31.6
Market Pulp at Pulp Mills A	187	132	140	143	160	179	179	-10.9
Mkt Pulp at Ppr.& Bd. Mills CE	435	426	418	451	450	450	450	3.7
Waste Ppr.at Ppr.&Bd. Mills (4)	740	798	818	756	818	794	794	-4.7
Rags, Straw and Other at Paper and Board Mills C, E	66	61	56	57	53	55	55	-30.4
Mkt Wood Pulp Days of Supply A	44	38	36	39	43	44	44	4.7
Wood Pulp Consumption at at Non-Paper Mills C, E	884	909	72	73	70	73	868	-6.5

A - Pulp & Raw Materials Group, API; C - Bureau of the Census; E - Most Recent Month Estimated by API

P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

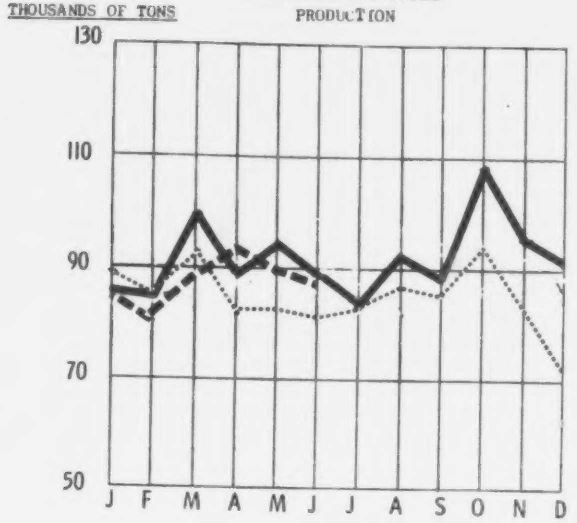
(2) Excludes consumption of defibrated & exploded pulp for hard pressed bd.(000 tons): 1978 - 1,666; 1979 - 1,593

(3) Census Waste Paper Consumption, (000 tons): 1978 - 12,481; 1979 - 12,962; Jan-Mar '80 A.R. - 12,792

(4) Census data prior to 1979; more recent data are from the Paper Stock Conservation Committee, A.P.I.

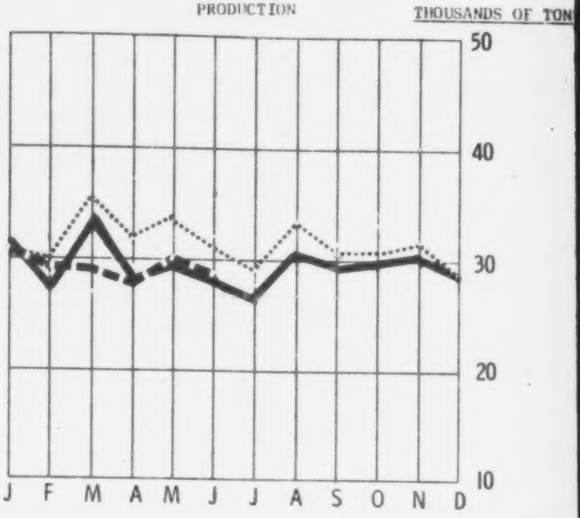
BLEACHED BRISTOLS

PRODUCTION



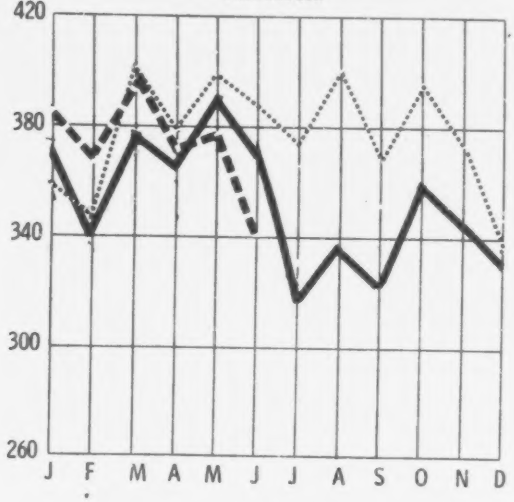
THIN PAPERS

PRODUCTION



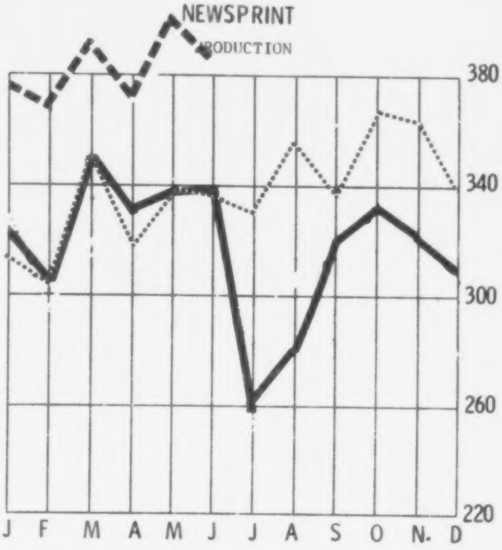
TISSUE PAPER

PRODUCTION



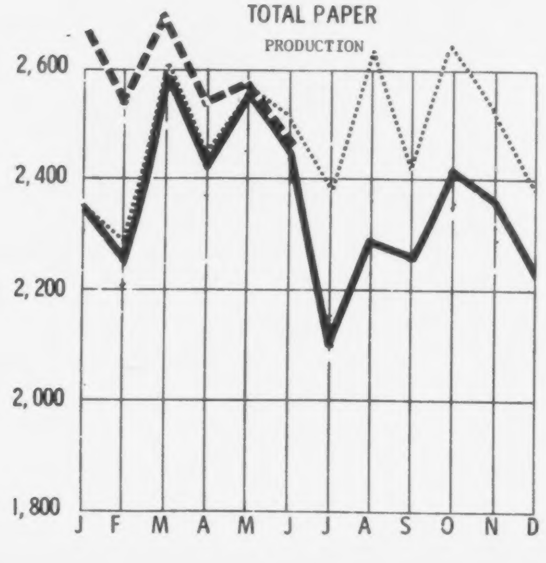
NEWSPRINT

PRODUCTION



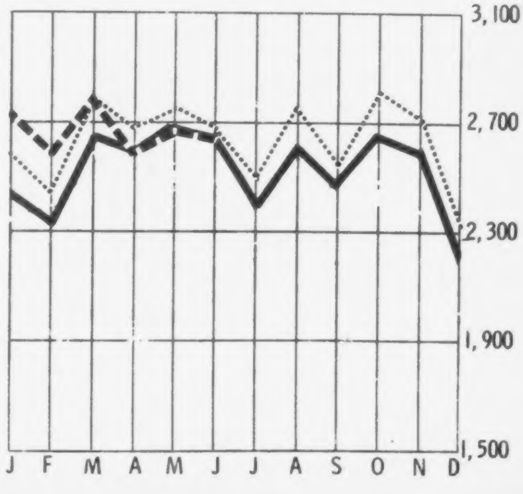
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1978 ▬▬ 1979 ······· 1980 ▬ ▬ ▬

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic foot) Cords)

		YEAR 1978	YEAR 1979	FEB. 1980	MARCH 1980	APRIL 1980	MAY 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	77025	78625	6996	6895	6677	6790	82234	9.7
	- Total Consumpt.	77290	79566	6614	7044	6762	6811	81970	2.8
	- Residues *	30369	30015	2353	2491	2294	2404	28697	-3.4
	- Inventories	6244	5506	5677	5555	5464	5425	5425	17.9
So. Atlantic	- Total Receipts	25353	26126	2195	2209	2274	2349	27060	6.1
	- Total Consumpt	25204	26523	2235	2388	2253	2267	27511	4.8
	- Residues *	8513	8858	694	760	722	730	8726	-1.1
	- Inventories	1191	1052	987	823	850	958	958	-0.4
Northeast	- Total Receipts	6664	7461	837	666	508	509	7812	9.0
	- Total Consumpt	6607	7584	635	682	659	622	7867	0.3
	- Residues *	1662	1670	153	146	150	143	1706	-0.8
	- Inventories	770	674	862	865	706	587	587	8.7
South Central	- Total Receipts	25572	26654	2193	2202	2220	2194	26616	3.6
	- Total Consumpt	25678	26432	2171	2289	2209	2335	27070	0.4
	- Residues *	8418	8669	644	662	556	569	7603	-15.9
	- Inventories	1194	1472	1495	1400	1404	1268	1268	67.9
North Central	- Total Receipts	5291	5630	656	558	360	407	6223	25.0
	- Total Consumpt	5330	5535	446	449	448	461	5431	-6.1
	- Residues *	1456	1501	122	112	124	114	1442	3.1
	- Inventories	968	993	1317	1436	1325	1255	1255	96.4
West	- Total Receipts	14145	12754	1115	1260	1315	1331	14522	24.8
	- Total Consumpt	14471	13492	1127	1236	1193	1126	14090	9.5
	- Residues *	10320	9317	740	811	742	848	9218	5.9
	- Inventories	2121	1315	1016	1031	1179	1357	1357	-20.5

* - Consumption of Residues in Cord Equivalents.
SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 1979 Tons	YEAR 1979 $000	APRIL 1980 Tons	APRIL 1980 $000	MAY 1980 Tons	MAY 1980 $000	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206050	8867	5085	450	8909	414	190181	12.3
Pulpwood Chips	1527734	30440	124704	3258	186997	4683	1708632	16.0
Wood Pulp, Total	4143944	1404354	304758	127522	346607	145691	4151933	-2.8
Waste Fibrous Materials, Total	88344	13727	10815	1897	5704	1010	81375	-7.4
Paper,Paperboard&Products,Total	8501965	2779223	734146	252000	723864	268063	8875657	4.1
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd. *	8457803	2725085	724042	242453	718815	261820	8810810	3.8
Paper, Total	8015574	2642945	677834	233584	674096	253146	8230279	2.0
Newsprint	7077209	2249470	628306	210077	621990	227843	7531145	5.4
Printing,Writing & Rel.Pap.	799355	322818	43411	19719	45975	21685	604819	-22.7
Pack. & Ind. Conv. Paper	118815	57854	5221	3185	5464	3059	85689	-31.4
Special Industrial Paper	3157	3324	91	132	197	275	1394	-60.4
Tissue Paper	17039	9479	804	471	470	283	7233	-49.3
Paperboard, Total	80636	17653	8862	2286	11635	3264	116350	60.1
Wet Machine Board	1522	703	187	90	80	44	1662	8.8
Construction Paper and Bd. *	360071	63784	37159	6494	33004	5366	462519	35.2
Convtd Paper&Paperbd Products	44163	54138	10104	9547	5048	6243	64847	54.5

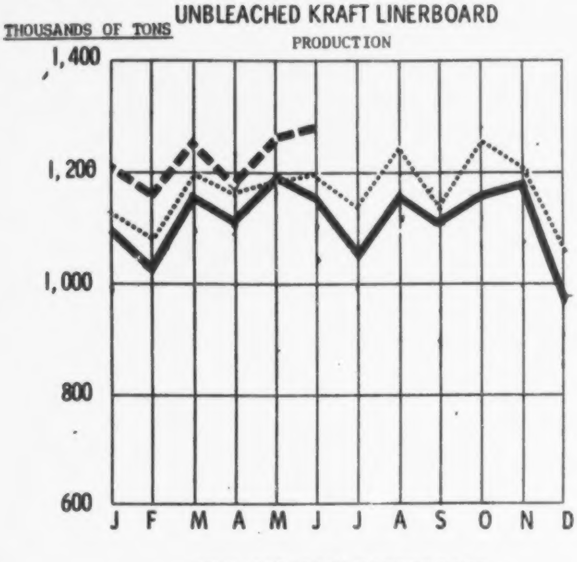
EXPORTS TO CANADA

	YEAR 1979 Tons	YEAR 1979 $000	APRIL 1980 Tons	APRIL 1980 $000	MAY 1980 Tons	MAY 1980 $000	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	263367	11446	10134	479	9203	472	143009	-64.0
Pulpwood Chips	87790	3790	1121	51	2461	113	25622	-74.2
Wood Pulp, Total	136641	49608	15300	4782	16897	5047	183463	43.1
Cotton Pulp & Other Pulp	7921	3728	550	277	2267	1129	15348	76.1
Waste Paper	478477	50207	49348	4701	44219	4801	557738	44.0
Paper,Paperboard&Products,Total	624928	353202	48918	30126	48090	32283	623036	3.4
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board *	454029	248403	33645	20648	34692	21864	447059	0.6
Paper, Total	181451	142407	16039	14404	20163	15029	219988	25.0
Newsprint	2803	1734	179	186	152	128	1869	-47.7
Printing,Writing & Rel.Pap.	108290	76567	9055	7131	8495	7285	112061	5.0
Pack. & Ind. Conv. Paper	16084	10108	1377	1057	1235	857	15925	-0.4
Special Industrial Paper	46773	48173	4768	5471	9626	6266	84042	108.4
Tissue	7502	5825	660	559	655	494	6091	-35.2
Paperboard, Total	230904	83021	14290	4771	11434	5435	190341	-13.5
Wet Machine Board	5262	9916	478	242	373	209	3949	-36.0
Construction Pap. & Bd. E *	36411	13059	2838	1231	2721	1191	32782	-22.2
Convtd Paper&Paperbd Products	170900	104799	15273	9478	13398	10419	175977	11.5
* - Hard Pressed Board (not in total)								
Imports of Hard Pressed Bd.	29771	5370	2858	519	2694	499	39343	130.1
Exports of Hard Pressed Bd.	20535	6878	1688	557	1500	501	19610	-23.4

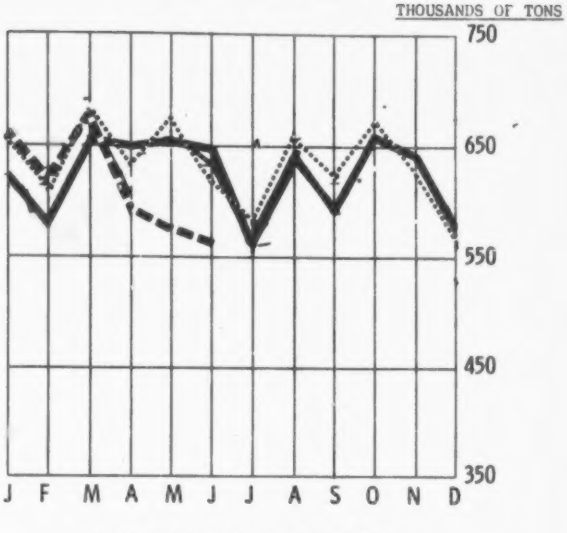
SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

UNBLEACHED KRAFT LINERBOARD

PRODUCTION

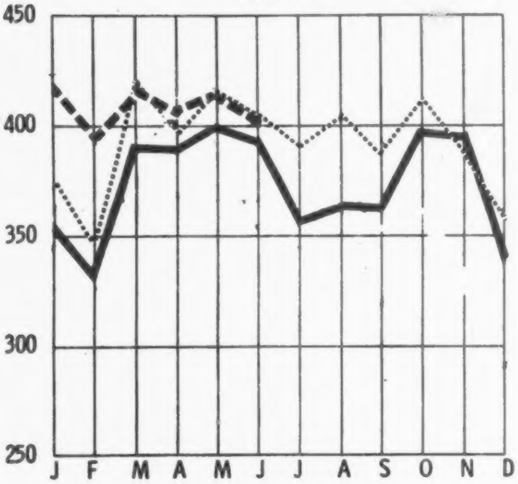


RECYCLED PAPERBOARD



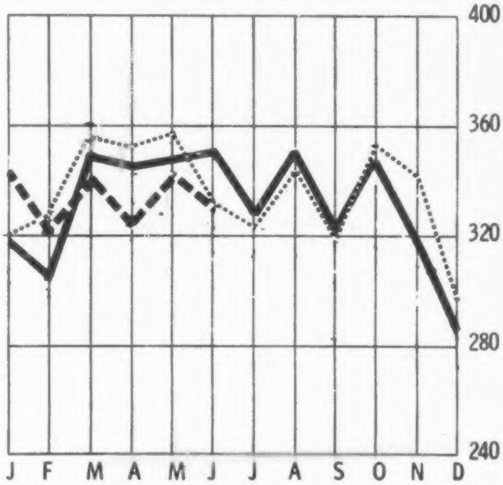
SEMI-CHEMICAL PAPERBOARD

PRODUCTION



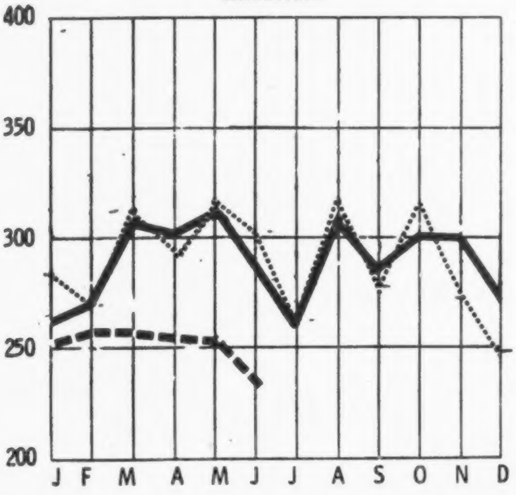
SOLID BLEACHED PAPERBOARD

PRODUCTION



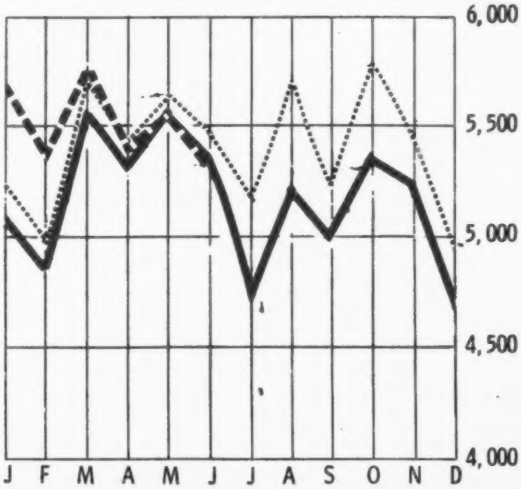
WET MACHINE BOARD AND BUILDING PAPER AND BOARD

PRODUCTION



TOTAL PAPER AND BOARD

PRODUCTION



1978 ▬▬▬ 1979 ·········· 1980 ▬ ▬ ▬

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1979 Tons	YEAR 1979 $000	APRIL 1980 Tons	APRIL 1980 $000	MAY 1980 Tons	MAY 1980 $000	(1) Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206074	8869	5085	450	8912	414	190188	12.3
Pulpwood Chips	1574763	33413	124716	3267	186997	4683	1708661	11.5
Total All Imports	13554749	4693607	1096948	418345	1152583	464294	13872759	1.2
Wood Pulp, Total	4324033	1465169	319953	132788	372927	156463	4394518	-0.8
Waste Paper	62310	8625	8242	1537	2508	353	45226	-25.6
Other Fibrous Materials	43640	13149	3573	1107	3204	1069	44550	-5.4
Paper,Paperbd&Products,Total	9124767	3206665	765180	282914	773944	306410	9388466	2.4
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	9028643	2983554	750222	256848	764725	283280	9277836	2.2
Paper, Total	8561213	2894764	701802	247552	717694	274066	8669233	0.4
Newsprint	7224195	2300450	630787	211275	647834	238571	7695055	5.8
Printing & Writing	1176253	510579	64166	32116	63334	31232	871101	-26.7
Uncoated Groundwood	804598	295996	39274	16042	41889	17832	569944	-27.2
Uncoated Book	142674	69291	10279	5474	11445	6298	123723	-29.5
Coated Print.& Impreg. Pap	188846	108590	12499	7518	8756	5166	150342	-23.8
Bristols	2247	1243	85	86	72	59	1979	15.1
Writing and Similar Paper	22964	23403	1509	2240	667	1181	17250	-9.2
Thin (except Cigarette)	14924	12057	519	755	506	697	7863	-30.0
Total Pkg & Other Paper	143452	74013	6045	3691	6055	3972	95519	-40.8
Unbleached Kraft Paper	66816	23211	2855	1348	3692	1646	39508	-49.7
Other Pkg. & Indust. Paper	76636	50802	3187	2343	2363	2326	56011	-32.4
Tissue	17312	9722	804	471	471	290	7558	-48.7
Paperboard, Total	82203	19111	8883	2308	11737	3413	117259	59.2
Test or Containerboard	25725	6021	4058	1060	5712	1620	55757	206.9
Semi-Chemical Corrugating	33494	5889	2564	497	3648	739	36014	3.3
Other Paperboard	22984	7201	2260	751	2378	1054	25489	23.5
Wet Machine Board	2345	1341	252	168	129	77	2424	-4.6
Construction Paper & Bd. *	382883	68338	39285	6819	35166	5724	488920	35.1
Building Paper	330147	56768	36993	6219	32545	5086	449359	44.2
Insulating Board	21682	4664	953	288	1350	346	16706	-29.8
Other Building Board	31054	6906	1339	312	1271	292	22854	-13.6
Convtd Paper&Paperbd Products	96124	223111	14958	26066	9219	23130	110629	23.0
Paper Products, Total	90317	211663	14464	25034	8543	21808	104567	22.9
Paperboard Products, Total	5807	11447	495	1032	676	1322	6063	25.7
Notes								
Other: No Weight Avail. ($000)		81899		5658		6559	70577	-7.9
Total Imports Incl. Other($000)		4775506		424003		470853	5411405	17.2

EXPORTS

	YEAR 1979 Tons	YEAR 1979 $000	APRIL 1980 Tons	APRIL 1980 $000	MAY 1980 Tons	MAY 1980 $000	(1) Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cu. ft.)	263721	11473	10167	481	9303	476	159653	-59.9
Pulpwood Chips	4498674	197847	414961	30702	451161	32279	4471920	11.3
Total All Exports	8971798	3348409	1029590	404326	911453	382280	10950385	36.7
Wood Pulp,Total	2934815	1103783	360465	147328	317312	132614	3551947	46.0
Cotton Pulp and Other Pulp	131444	74579	14998	10382	18100	10331	177809	36.8
Waste and Old Paper	2233246	256107	247654	30826	218878	27463	2850787	39.9
Paper, Paperbd&Products, Total	3672203	1913940	406473	215790	357163	211872	4369842	28.3
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3109859	1328320	346967	154335	303663	148839	3723569	29.6
Paper, Total	600874	507569	65963	56804	77377	61584	778561	41.5
Newsprint	71456	32046	17090	6713	18977	8826	137076	154.5
Printing & Writing	274608	233371	24806	23837	22771	23108	282884	3.7
Uncoated Groundwood	80392	55384	6591	5095	6383	5019	73849	-10.1
Clay Coated Paper	73521	57743	7330	5476	6816	5943	82035	17.5
Uncoated Free Sheet	68159	64146	6593	7427	6252	7691	70680	2.6
Other Printing & Writing	52536	56098	4292	5839	3321	4456	56321	8.3
Total Pkg. & Other Paper	226906	218218	17979	21032	29347	24314	305456	53.8
Unbleached Kraft	63695	27079	5182	2304	9981	4408	116567	109.3
Other Pkg. & Indust. Paper	163211	191138	12798	18728	19366	19906	188890	32.2
Tissue	27905	23934	6088	5223	6283	5336	53145	114.8
Paperboard, Total	2446972	789902	273650	94650	220828	84459	2875607	27.5
Solid Wood Pulp	2271161	712276	257411	87602	210312	78935	2704322	30.4
Total Linerboard	1644901	434515	187309	57162	149668	48517	1919951	27.9
Bleached Kraft Linerboard	179995	51186	14539	4893	14022	5005	184220	-4.2
Unbleached Kraft Linerbd	1464906	383330	172770	52268	135646	43512	1735731	32.6
Other Unbleached Kraft	100301	33739	21918	7304	6863	3020	173873	91.7
Other Bleached Kraft	508601	238813	46162	22491	53118	27112	595349	26.8
Semi-Chemical Corrugating	17358	5208	2023	646	662	286	15149	23.4
Recycled Paperboard	175811	77626	16238	7048	10517	5525	171285	-5.1
Wet Machine Board	7371	5146	802	619	727	418	7480	-17.0
Construction Paper & Bd. *	54642	25704	6552	2261	4730	2377	61921	4.9
Building Paper	34020	14420	2059	752	2025	970	27322	-28.1
Insulating Board E	20623	11284	4493	1509	2706	1408	34599	64.4
Convtd Paper&Paperbd Products	562343	585620	59506	61455	53500	63033	646272	20.9
Paper Products, Total	332256	427080	39104	46140	35083	47089	400685	31.8
Paperboard Products, Total	230087	158540	20402	15315	18417	15944	245587	6.6
Notes								
Other: No Weight Avail. ($000)		9803		892		854	11302	26.4
Total Exports Incl. Other($000)		3358212		405218		383134	4278461	47.0

* Hard Pressed Board (not in total)								
Imports of Hard Pressed Board	260775	39528	10625	2105	18437	3585	189982	-19.1
Exports of Hard Pressed Board	32030	11223	2478	836	2237	779	28164	-16.8

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PAPER AND PAPERBOARD PRODUCTION

CENSUS DATA

(Thousands of Tons)

	YEAR 1978	YEAR 1979	DEC. 1979	JAN. 1980	FEB. 1980	MARCH 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
PAPER					R	P		
Newsprint	3489	3797	323	388	370	385	4574	26.6
Uncoated Groundwood Papers	1569	1674	135	122	112	126	1438	-14.2
Coated Papers	4513	4675	388	423	379	418	4881	6.4
Uncoated Free Sheet (1)	7315	7508	614	689	658	716	8251	12.1
Cotton Fiber Paper (1)	119	127	10	12	12	10	140	5.8
Thin Papers	350	376	28	31	29	28	357	-6.3
Bleached Bristols	1127	1114	90	97	96	92	1099	-0.2
Tissue Paper	4245	4310	328	377	353	375	4420	5.5
Unbleached Kraft Packaging & Industrial Conv. Papers(1)	3873	3923	304	342	344	345	4127	9.7
Other Paper (1)	1905	1791	159	173	158	165	1986	17.0
TOTAL PAPER GRADES	28505	29295	2378	2656	2501	2661	31272	9.7
PAPERBOARD								
Solid Wood Pulp Furnish	22500	22833	1765	2040	1921	2047	24032	8.5
Unbleached Kraft Linerboard	13215	13685	1039	1195	1134	1198	14104	4.9
Other Unbl. Kraft Paperboard	898	1014	61	92	84	108	1136	12.0
Bleached Kraft Paperboard	4002	3934	311	349	326	343	4073	12.3
Semi-Chemical Paperboard	4384	4200	354	405	377	399	4719	16.2
Recycled Paperboard	7534	7240	594	645	630	658	7735	6.4
TOTAL PAPERBOARD GRADES	30034	30073	2358	2685	2551	2706	31767	8.0
WET MACHINE BOARD	136	144	16	14	12	13	155	18.3
CONSTR. PAPER & INSUL. BOARD	3332	3322	230	237	245	244	2905	-12.6
TOTAL ALL GRADES [Excl. H.P.B.]*	62006	62834	4983	5591	5310	5624	66099	7.7

PRODUCER PRICE INDEXES

1967 = 100

	1978	1979	MARCH	APRIL	MAY	JUNE		
Pulp, Paper and Products	195.6	219.0	241.6	246.5	248.9	251.3	244.2	14.3
Pulp, Paper & Products, except Waste Paper ♦	195.6	219.2	241.9	246.6	249.3	251.1	244.3	14.9
Total Wood Pulp	266.5	314.3	359.0	386.8	388.0	388.0	372.5	24.4
Total Paper	206.1	229.6	250.5	253.6	256.5	258.3	251.9	12.5
Total Paper, exc. Newsprint	199.4	222.8	244.4	248.5	249.5	249.9	245.0	12.7
Newsprint	226.3	249.9	269.4	269.4	277.6	283.7	273.2	12.2
Total Paperboard	179.6	202.1	225.9	230.2	239.2	242.7	230.6	18.4
Total Paper and Paperboard ♦	197.8	220.9	242.8	246.3	251.1	253.4	245.3	14.2
Converted Products	186.5	209.9	231.3	234.6	236.1	239.3	233.1	14.4
Waste Paper	191.2	206.6	224.9	242.5	226.1	206.6	224.4	11.3
All Commodities	209.3	235.5	261.5	262.3	263.7	265.2	261.3	14.7
Industrial Commodities	209.4	236.4	268.2	270.7	271.2	273.0	268.3	18.2

(1) - Grade definitions revised by Census as of January 1979. New grades now consistent with API definitions. 1977 and 1978 Census data adjusted by API for comparability with 1979.

* See page 3 for Hard Pressed Board data. ♦ Computed by API P-Preliminary R-Revised

SOURCES: Production - Bureau of Census, U.S. Department of Commerce
Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor

Continued from Page 2

quarter 1980 total was about 4% below that of the first quarter of this year. Demand for paper for business held up well, with regular bond and form bond papers both showing strength. However, this was offset by weakness in demand for printing and publication grades.

Actual production of paperboard for exports, which accounts for about 9% of the total, rose by 12% from the first to second quarter. Production for domestic use dropped from 7.4 million tons in the first quarter to 7.1 million tons in the second quarter, for a decline of 4%.

The strongest market for paperboard was in the containerboard grades, as it has been all year. However, shipments of corrugated shipping containers, as reported by the Fibre Box Association, declined by 8% from the first to second quarters of the year. Fibre Box Association data also show that the cut-up of containerboard at fibre box mills declined by a similar amount. However, inventories of containerboard at mills and plants increased by 400,000 tons from the end of the first quarter to the end of the second quarter, acting as a prop to the paperboard demand. As of the end of the second quarter inventories amounted to 6.8 weeks of supply in terms of the relatively depressed level of usage in June, which forms the supply base for that calculation.

Production of bleached board was also bolstered by strength in exports. Total bleached board production declined by 3% from the first to second quarters of 1980, while production for export rose by 7%. Exports account for about 14% of the production total. Thus, production for domestic use declined by about 5% from the first to second quarters.

Exports account for only a negligible part of recycled paperboard production. Total recycled paperboard production ran about 5% below the year-ago level in the first half of 1980. Further, second quarter 1980 production was about 12% below the first quarter level.

Sales and Earnings

A compilation of reports on sales and earnings of 24 paper companies showed the effects of the slow down of business activity. Total sales, at $8.66 billion, were 6% above their year-ago level, while net income after taxes dropped by 15%. The margin on sales dropped from 7.5% in the second quarter of 1979 to 6.0% in the second quarter of 1980.

Continued on Page 12

Continued from Page 11

A similar pattern was evident for the entire first half of 1980, with sales up 10% and earnings down 6.5%. These companies account for more than one-half of the total sales of paper and allied products corporations. The profit figures are adjusted for extraordinary charges and extraordinary income, so that they reflect the income earned on the sales of the company's products. The table below presents sales and earnings data for these companies for the second quarters of 1979 and 1980 and the first half of those years.

SALES AND EARNINGS

	Second Quarter			First Half		
	1980	1979	% Change	1980	1979	% Change
	Million Dollars			Million Dollars		
24 Companies						
Sales	8,663	8,181	+ 5.9%	17,401	15,773	+10.3%
Earnings	520	611	-14.9%	1,048	1,121	- 6.5%
Earnings as % of Sales	6.0%	7.5%		6.0%	7.1%	

Technical Note

The production data reported on page 3 and the Industry Fact and Data Sheets and discussed in this report are consistent with recent revisions made by the Printing/Writing Division and the Tissue Division. These Divisions re-surveyed their members in preparation for publication of their own annual statistical reports. As a result of these surveys, total production of printing and writing papers in 1979 is now reported at 15,368,000 tons, about 170,000 tons below the previously reported total. The reported total for tissue paper was reduced by about 30,000 tons. These revisions bring paper and paperboard production in 1979 to 64,555,000 tons, compared with 64,755,000 tons previously reported.

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

JULY 22, 1980

	PRODUCTION (000 TONS)					
	June 1980	May 1980	June 1979	Jan - June 1980	Jan - June 1979	% Change 80/79
PAPER GRADES	P	R				
Newsprint	386	405	337	2306	1966	17.3
Uncoated Groundwood (s)	131	132	127	770	741	3.9
Coated Paper (s)	372	380	353	2351	2236	5.1
Uncoated Free Sheet Paper (s)	666	682	683	4145	3889	6.6
Thin Paper (c)	28	30	32	174	193	-9.5
Cotton Fiber Paper (s)	10	10	10	65	64	2.3
Bleached Bristols (s)	86	89	82	522	514	1.4
Tissue Paper	340	376	386	2238	2263	-1.1
Unbleached Kraft Packaging & Indl. Converting (s)	305	325	336	1977	1987	-0.5
Other Paper (c)	145	155	154	947	880	N.C.
TOTAL PAPER	2469	2584	2499	15493	14731	5.2
PAPERBOARD GRADES						
Kraft Linerboard, Unbleached	1258	1247	1191	7274	6917	5.2
Other Kraft Paperboard	84	96	108	556	652	-14.7
Semichemical Paperboard	401	414	402	2460	2353	4.6
Bleached Paperboard	314	343	335	1998	2040	-2.1
Recycled Paperboard	566	571	625	3661	3868	-5.3
TOTAL PAPERBOARD	2625	2670	2661	15950	15829	0.8
CONSTRUCTION & WET MACH GRADES(c)	236	252	303	1505	1771	-15.0
TOTAL PAPER AND PAPERBOARD	5330	5506	5462	32948	32331	1.9
HARD PRESSED BD.[not in total](c)	110	120	169	790	1050	-24.7

WOOD PULP (ALL GRADES)	May 1980	April 1980	May 1979	Jan - May 1980	Jan - May 1979	% Change 80/79
Dissolving & Special Alpha	138	134	139	676	577	17.1
Bleached Sulphite	127	119	127	607	535	13.5
Unbleached Sulphite	34	32	37	165	166	-0.6
Bleached & Semi-Bl. Sulph.	1672	1597	1579	8130	7456	9.0
Unbleached Sulphate	1732	1641	1708	8521	8268	3.1
Semichemical	351	345	362	1745	1669	4.6
Groundwood and Thermo-Mechanical	395	375	376	1886	1819	3.7
TOTAL PULP DIVISION DATA	4447	4243	4329	21730	20489	6.1
Defib. Exploded & Scrngs E	189	185	267	1001	1264	-20.8
TOTAL WOOD PULP PRODUCTION	4637	4428	4596	22730	21753	4.5

Note: Paperboard cumulative totals include revisions not available monthly.

(s) - Shipments   R - Revised   E - Estimate   NC - Not comparable
P - Preliminary   (c) - Census Data - Production, last 2 months estimated.

July 30, 1980

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	Full Year		INDUSTRY DATA 1980			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1978	1979	April	May	June		
Total Production (API).......¦ ¦...	62109R	64555R	5360	5506	5330	65896	1.9
Total Seasonally Adjusted....¦ excluding ¦...			5267	5274	5365	64937	1.5
Imports (including Products).¦hard pressed¦..E	9117	9125	765	774	770	9364	2.2
Exports (including Products).¦ board ¦..E	3373	3672	407	357	380	4402	24.4
Apparent Consumption.........¦ ¦...	67854Ra	70008Rb	5625	5691	5755	69899c	0.4
Paper Production % Tonnage Capacity...........	93.2Rg	95.2Rg	93.8	92.2	90.7	95.2gh	-
Paperboard Production % Tonnage Capacity......	92.8g	94.2g	91.2	90.7	92.5	93.3g	-
			March	April	May		
MARKET WOOD PULP PRODUCTION - Tons (000).........	5126	5667	544	543	572	6544	24.2
TOTAL WOOD PULP PRODUCTION - Tons (000)..(f)....	47228	49743	4496	4243	4447	52151	6.1
WOOD PULP IMPORTS - TONS (000)....................	4025	4324	445	320	373	4395	-0.8
WOOD PULP EXPORTS - TONS (000)....................	2599	2935	321	360	317	3552	46.0
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS			March	April	May		
Wood Pulp..(k)................................	47911	50156	4479	4103	4325	51273	2.5
Waste Paper....(d)............................	14760	15400	1286	1157	1185	14875	1.1
Other (Census)...............................E	778	643	57	50	52	631	-7.1
Total................	63449	66199	5821	5310	5562	66780	2.1
..WOOD PULP - NON PAPER.........................E	884	909	73	70	73	868	-6.5
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	77290	79566	7044	6762	6811	81970	2.8
EMPLOYMENT (000)			April	May	June		
Paper and Allied Products..........Total...... RS	698.7	706.7	698.8	692.1	693.6	698.6	-0.7
Pulp, Paper and Board Mills........Total.....E RS	267.4	271.7	268.8	267.7	268.2	269.6	0.1
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....................	6.52	7.12	7.63	7.64	7.74	7.59	9.9
Pulp, Paper Mills............................E	7.44	8.26	8.87	8.84	8.90	8.80	10.6
Paperboard Mills.............................E	7.68	8.38	9.07	9.01	9.05	8.95	10.4
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1979 Q4	1980 Q1	1980 Q2		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	3.46	4.88	5.23	5.91	5.97	6.04y	23.8
INDEX OF OUTPUT PER MAN-HOUR (1967=100)..........			April	May	June		
¦IN PULP, PAPER ¦...Production Workers.......RS	159.2	163.9	163.2	168.7	169.0	169.1	3.6
¦AND BOARD MILLS¦...All Employees............RS	153.5	157.4	156.2	160.2	160.9	161.4	3.0
PAPER AND ALLIED PRODUCTS (Million $)			March	April	May		
Industry Shipments (Dept. of Commerce)*.......	57654	66033	5863	5834	5723	70426	9.4
Pulp, Paper and Paperboard*.................	25343	30165	2746	2758	2659	32876	13.2
Inventories (End of Period) - Total Industry*.	5875	6779	7296	7416	7473	7473	18.7
Pulp, Paper and Paperboard*.................	2006	2321	2435	2533	2612	2612	24.4
			1979 Q3	1979 Q4	1980 Q1		
Sales (Corporations Only, FTC)................	48982	55359	14133	14401	14682	58728	13.0
Earnings (Corporations Only, FTC).............	2598	3724	1162	778	795	3180	-8.3
Depreciation (Corporations Only, FTC).........	1726	1896	481	489	504	2016	12.8
Net Worth (Corporations Only, FTC)............	20794	23206	22688	23206	24002	24002	12.8
PRICE INDEXES (Bureau of Labor Stats)1967=100			April	May	June		
Total Pulp, Paper and Allied Products.........	195.6	219.0	246.5	248.9	251.3	244.2	14.8
Wood Pulp.....................................	266.5	314.3	386.8	388.0	388.0	372.5	24.4
Waste Paper...................................	191.2	206.6	242.5	226.1	206.6	224.4	11.3
Paper...	206.1	229.6	253.6	256.5	258.3	251.9	12.5
Paperboard....................................	179.6	202.1	230.2	239.2	242.7	230.6	18.4
PAPER DEMAND (INDEXED: 1967=100)			April	May	June		
Total Paper Production *.....................	135.6R	141.7R	144.2	145.4	143.0	146.0	4.6
Paper New Supply *...........................	132.9	137.2R	137.8	138.9	136.8	140.0	3.0
Total End - Use Index *...................	139.5	144.5	143.8	142.5	140.8	144.4	0.1
Production of Nondurable Goods *...(19%)..	157.0	163.3	161.8	158.6	155.1	161.8	-0.2
Disposable Income (Constant $) *...(23%)..	145.2	148.5	147.2	146.8	146.3	147.9	-0.4
Total Printing and Publishing *...(58%)..	131.5	136.8	136.5	135.5	134.0	137.3	0.4
Trend Factor	-----------	-----------	------	-Not Available-	------	-----------	-----------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *................	132.8	137.9	132.0	131.3	138.7	137.4	0.4
Production for Domestic Use	131.1	135.5	128.8	125.8	130.1	132.5	-1.7
Total End - Use Index *...................	147.7	151.6	147.0	143.5	140.9	147.2	-3.2
Production of Consumer Goods *...(60.49%)	149.1	150.3	144.9	141.9	140.6	145.3	-4.0
Production of Equipment *...(6.62%)	132.8	142.1	145.2	143.8	141.2	144.6	2.5
Production of Materials *...(32.89%)	148.3	156.0	151.2	146.4	141.3	151.2	-2.8
Trend Factor	-----------	-----------	------	-Not Available-	------	-----------	-----------
NEWSPRINT MARKETS			March	April	May		
Consumption by Publishers - Tons (000)........	10872	11240	970	931	950	11029	-0.5
Newspaper Pub. and Printing Emp. Total (000).. RS	408.1	423.0	431.2	430.9	431.2	431.2	3.2
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	115090	117466	10605	10328	11034	114953	3.9
WHOLESALERS SALES AND INVENTORIES (Million $)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	17586	19721	1799	1783	1744	21449	12.5
Inventories (End of Period)	1482	1695	1740	1768	1776	1776	15.2
Paper Only.............................Sales	13078	14788	1354	1327	1320	15890	11.1
Inventories (End of Period)	1025	1141	1185	1201	1207	1207	15.0
RETAIL TRADE (Million $)			April	May	June		
Total Retail Sales *.........................	799054	884407	75011	74265	75343	917224	6.5
Nondurable Goods Stores Sales *..............	518190	576882	52190	51728	52250	624452	12.0
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	146.1	152.1	148.3	144.7	141.2	148.5	-2.4
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	209.3	235.5	262.3	263.7	265.2	261.3	14.7
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	195.4	217.4	242.5	244.9	247.6	240.7	14.4
			March	April	May		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	275.6	311.3	307.6	306.1	303.8	303.8	5.7
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1979 Q3	1979 Q4	1980 Q1		
G.N.P. or Expenditure - Current $.............	2127.6	2368.8	2396.5	2456.9	2520.8	2520.8	10.0
G.N.P. OR Expenditure - 1972 $................	1399.2	1431.6	1433.3	1440.3	1444.7	1444.7	1.0

lb/capita	Popul.(mil)
.a - 621	218.7
.b - 635	220.6
.c - 630	222.0

.d - 1977 - 12103; 1978 - 12481
. 1979 12956;Jn-Mr'80A.R.12792
. (000 tons) as pub. by Census
.E - Last month estimated by API

f - Wood Pulp Production excludes estimates for def. expl. & scrngs. Prod. was: 1978 - 3,140; 1979 - 3,018; 1980 A.R.Y-T-D 2,402 (000 tons)
g - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
k - Excludes consumption of defib. & expl. pulp for hard p. bd.: '78 - 1,666; '79 - 1,593 (000 tons)

N.A. - Not Available
P - Preliminary
Q - Quarter
R - Revised
RS - Revised Series
y - Full year estimated by U.S. Dept. of Commerce
* - Seasonally adjusted

[illegible]

MONTHLY STATISTICAL SUMMARY

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Vol. 58 AUGUST 1980 No. 8

PAPER AND PAPERBOARD PRODUCTION IN A DECLINING TREND

Both paper and paperboard production have been following moderately declining trends since the early months of this year. Although shutdowns tend to distort the seasonal pattern to some extent, it appears that the seasonally adjusted rate of paper production was about 7% below the highs reached in the early months of the year, while paperboard production was down about 4%.

The production rates of both paper and paperboard were near record highs in the early months of this year. Thus, even with the inclusion of the recent declines, January-July 1980 paper production was 3% above its year-earlier level, while paperboard production matched its year-ago total. Major declines have occurred in the production of building paper and insulating board, which acted to tilt the trend of total paper and board production, including the building grades, in a steeper trend than indicated by the trends of paper and paperboard production alone. Total paper, paperboard and building paper and board production in the first seven months of 1980 was nonetheless about equal to the corresponding year-ago total.

Many sectors of the paper and paperboard industry continue to show strength. Newsprint production, in the first seven months of 1980 averaged

Continued on Page 2

Continued from Page 1

a record-high 4.6 million tons per year, with the seven month total some 17% over the year-earlier level. Total newsprint demand has held up fairly well and newsprint imports in the first half of 1980 were at a rate of 7.7 million tons per year, 6% above the first half 1979 rate. The increases in domestic production also reflected the impact of new mills that came on stream during the past year or so. While some of this gain reflected hedge buying in anticipation of strikes in Canadian mills, the domestic newsprint situation remains strong.

Production of total printing and writing papers in the January-July 1980 period was about 3% ahead of its year-earlier level. While the June-July 1980 rate of production was about 7% below the highs reached at the beginning of the year, the rate of incoming orders in July generally leveled out and in some cases moved upward. The backlog of unfilled orders in July for groundwood papers and uncoated free sheet papers held to the June level, while the backlog of coated paper orders showed a relatively strong increase.

Paperboard production in recent months has been strongly bolstered by record-high rates of production for export. In both June and July 1980 production for export exceeded 300,000 tons per month, for an annual rate of over 3.6 million tons per year, reflecting major gains in kraft linerboard exports. In 1979 production of paperboard for export was at a record-high 2.26 million tons.

Production of total containerboard for domestic use has been trending downward since the early months of this year, reflecting the declining trend in production of corrugated shipping containers. However, the annual rate of fibre box shipments in July as reported by the Fibre Box Associaton was the same as it was in June, after adjusting for normal seasonal factors. In addition, inventories of containerboard at box plants, which had been rising during the second quarter, leveled out in July at the June level. However, there was a small increase in containerboard inventories at paperboard mills.

Continued on Page 11

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

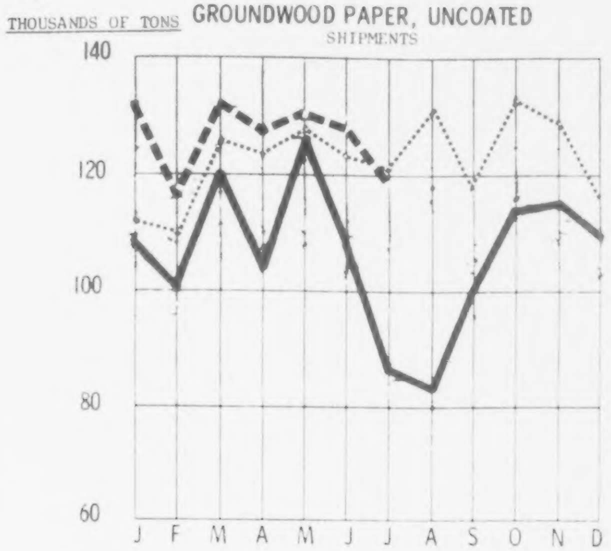
	YEAR 1978	YEAR 1979	APRIL 1980	MAY 1980	JUNE 1980	JULY 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
PAPER					R	P		
Newsprint - Production	3768	4062	374	405	393	376	4609	17.0
- Shipments	3779	4066	382	402	382	375	4570	15.9
Printing & Writing	14596	15368	1322	1320	1253	1152	15673	3.2
Groundwood Paper - Shipments	1354	1509	127	132	127	118	1514	2.1
- New Orders	1414	1519	116	105	116	121	1498	-1.5
- Unfilled Orders	185	149	170	157	143	140	140	-13.6
Coated Paper - Shipments	4453	4527	377	380	364	345	4607	3.5
- New Orders	4432	4547	403	421	367	403	4863	7.1
- Unfilled Orders	404	513	405	435	430	481	481	1.9
Unctd Free Sheet - Shipments	7221	7813	684	682	648	577	8065	4.5
- New Orders	7538	7826	652	623	572	569	7659	-2.4
- Unfilled Orders	754	781	689	642	538	540	540	-32.8
Thin Paper - Production *	350	376	30	28	27	28	350	-7.8
Cotton Fiber Paper - Shipments	114	125	11	10	9	8	125	1.2
Bleached Bristols - Production	1103	1018	94	89	78	76	1011	-1.3
Tissue Paper - Production	4215	4506	372	376	341	320	4392	-2.7
Total Packaging & Other Paper	5789	5725	460	458	429	405	5577	-2.1
Unbl. Kraft Paper - Shipments	3884	3934	319	325	299	290	3861	-2.3
Other Paper - Production * #	1905	1791	141	133	130	115	1716	-1.5
TOTAL PAPER-Production-Unadj.	28367	29661	2527	2560	2416	2253	30250	3.1
-Production-S.A.			2512	2515	2443	2366	30098	2.6
PAPERBOARD - PRODUCTION							##	
Solid Wood Pulp Furnish	22790	23838	1995	2098	2057	1916	24339	2.1
Unbl. Kraft Linerboard - Total	13228	13951	1168	1246	1258	1176	14478	4.8
Production for Export	1466	1645	147	177	221	242	2183	37.3
Other Unbl. Kraft Paperboard	1144	1200	93	96	84	69	1070	-16.5
Semichemical Paperboard	4439	4689	408	414	401	362	4838	2.9
Production for Export	119	98	9	8	28	30	188	86.4
Solid Bleached Paperboard	3979	3998	326	343	314	309	3953	-2.4
Production for Export	430	491	40	52	50	37	534	8.0
Recycled Paperboard	7485	7591	575	566	562	497	7071	-7.0
Production for Export	22	22	5	4	5	12	62	219.0
TOTAL PAPERBOARD-Prod.-Unadj.	30275	31429	2570	2664	2619	2414	31410	-0.1
- Containerboard Prod.(Dom. Use)	17908	18825	1576	1648	1565	1407	18858	1.0
- Boxboard Production (Dom. Use)	6505	5776	464	465	432	415	5560	-5.6
- All Other P'bd Prod.(Dom. Use)	3825	4571	330	310	318	271	4025	-14.1
- Total Paperbd Prod. for Export	2037	2257	201	241	304	321	2967	34.6
TOTAL PAPERBOARD PROD. - S.A.			2505	2492	2632	2493	31079	-0.6
WET MACHINE BOARD *	136	144	10	8	7	6	119	-5.1
BUILDING PAPERS *	1915	1900	117	99	95	95	1443	-25.1
INSULATING BOARD *	1416	1422	59	61	60	60	893	-37.6
TOTAL ALL GRADES - Unadjusted	62109	64555	5284	5391	5197	4828	64116	-0.2
- Production - S.A.			5194	5165	5233	5021	63646	-0.7
HARD PRESSED BD. [not in total]*	2294	2123	122	124	110	115	1562	-26.4

* Census Data - Production. Last two months estimated.
# Production excludes API bleached kraft envelope.
## Includes revisions not available monthly.
### Data for unbleached kraft folding boxboard for 1979 and 1980 included in All Other.

S.A. Seasonally Adjusted
P Preliminary
R Revised

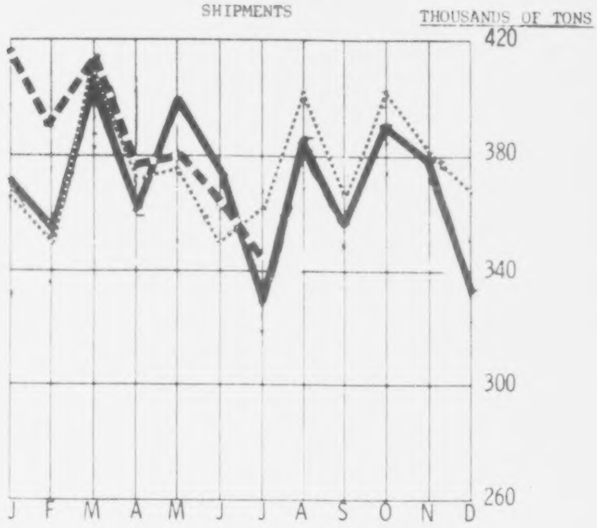
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



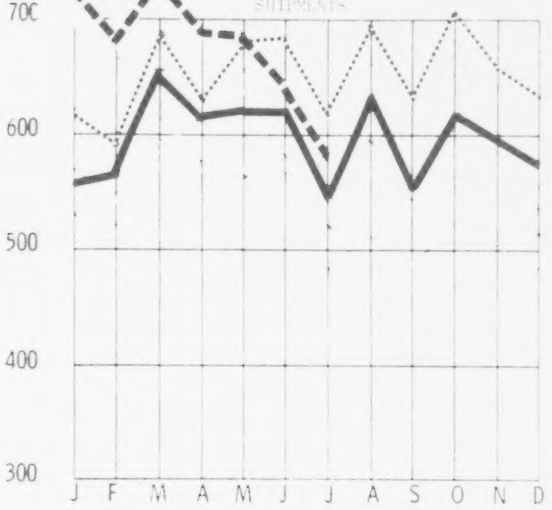
COATED PAPER

SHIPMENTS



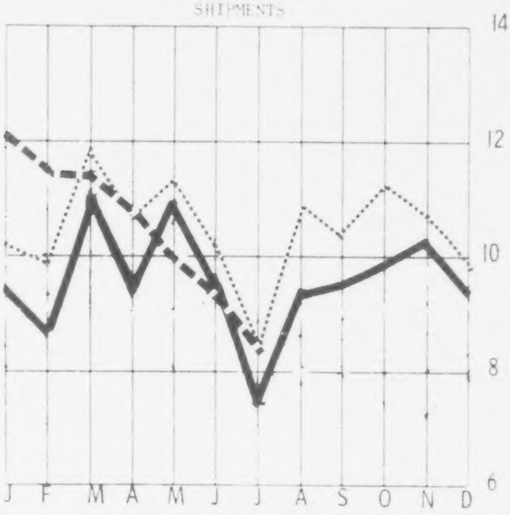
UNCOATED FREE SHEET PAPERS

SHIPMENTS



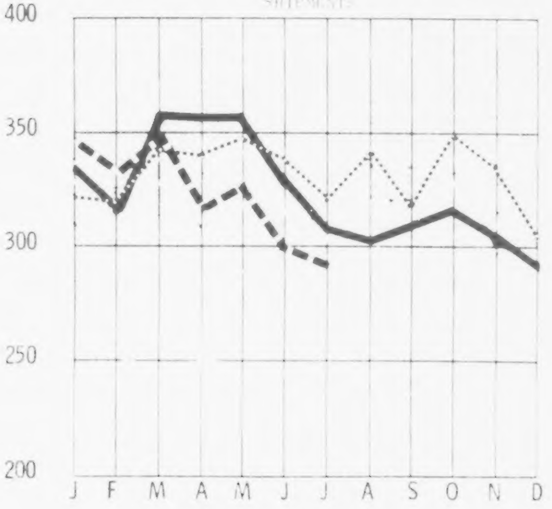
COTTON FIBER PAPER

SHIPMENTS



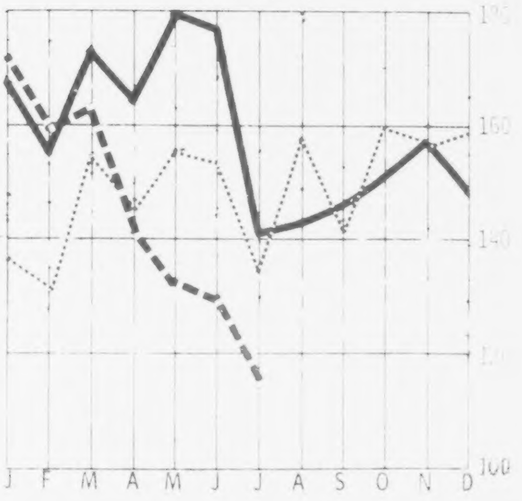
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1978 ▬ 1979 ┈┈┈ 1980 ▬ ▬ ▬

WOOD PULP STATISTICS

(Thousands of Tons)

	YEAR		MARCH	APRIL	MAY	JUNE	Annual Rate Y-T-D	% Change from same Period Last Year
	1978	1979	1980	1980	1980	1980	1980	
TOTAL WOOD PULP (1)					R	P		
Total Wood Pulp - Production	47228	49743	4496	4243	4447	4295	52047	5.0
- Imports	4025	4318	445	320	373	336	4334	-0.9
- Exports	2599	2935	321	360	317	362	3684	39.1
- New Supply	48653	51126	4621	4202	4502	4268	52697	2.8
Dissolving Pulp - Production	1411	1497	134	134	138	126	1603	12.4
- Imports	189	193	21	32	19	34	303	71.7
- Exports	758	764	91	84	58	79	820	22.1
- New Supply	842	926	63	81	99	81	1086	16.7
Paper Grades Chemical Pulp - Production	37893	39785	3604	3390	3564	3441	41727	5.0
- Imports	3627	3923	396	282	328	288	3841	-3.9
- Exports	1780	2100	220	268	254	270	2763	44.2
- New Supply	39740	41608	3780	3403	3637	3460	42804	2.4
Groundwood and Thermo-Mech. - Production	4141	4394	394	375	395	386	4544	4.2
- Imports	208	201	28	6	26	14	190	-5.4
- Exports	62	70	10	8	5	13	101	67.5
- New Supply	4287	4525	413	373	415	386	4632	2.9
Semi-Chemical - Production	3783	4068	365	345	351	342	4174	3.3
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	3783	4068	365	345	351	342	4174	3.3
MARKET WOOD PULP								
Total Market Wood Pulp - Production	5126	5667	544	543	572	547	6548	21.7
- Imports	2816	3046	300	252	239	245	3101	-2.1
- Exports	2480	2784	301	298	287	321	3396	33.3
- New Supply	5462	5930	543	498	524	471	6253	4.2
Dissolving Pulp - Production	1406	1497	134	134	138	126	1600	12.0
- Imports	291	306	17	30	15	31	251	-28.6
- Exports	824	869	97	89	72	90	938	17.8
- New Supply	873	934	53	75	81	67	913	-7.2
Paper Grades Chemical Pulp - Production	3644	4107	403	403	428	415	4862	24.7
- Imports	2495	2734	279	222	223	214	2835	0.9
- Exports	1613	1870	202	202	213	225	2392	40.4
- New Supply	4525	4971	480	423	438	404	5305	6.0
Groundwood Pulp and All Other - Production	76	64	7	7	7	7	86	67.3
- Imports	26	7	5	0	1	0	15	146.7
- Exports	42	46	3	8	2	7	66	37.7
- New Supply	59	25	10	0	5	1	35	264.6

(1) Prodctn excludes defibrated, exploded & screenings-(000 tons): 1978 - 3,140; 1979 - 3,018; A.R.Y-T-D'80 - 2,170

SOURCES: Total Wood Pulp Imports & Exports - Department of Commerce. Total Wood Pulp Production
& Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API.

FIBROUS RAW MATERIALS

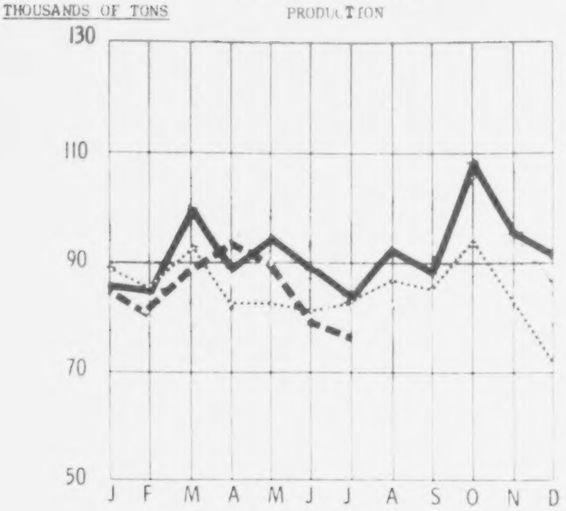
(Thousands of tons)

	YEAR		MARCH	APRIL	MAY	JUNE	Annual Rate Y-T-D	% Change from same Period Last Year
	1978	1979	1980	1980	1980	1980	1980	
CONSUMPTION AT PAPER & BD. MILLS					R	P		
Total	63449	66199	5822	5281	5586	5288	66214	0.9
Total Wood Pulp (2) A	47911	50156	4480	4070	4352	4133	50982	1.5
Market Wood Pulp A	4774	5031	440	410	362	340	4818	-5.8
Waste Paper (3) A	14760	15400	1286	1157	1185	1109	14614	-0.6
Rags, Straw & Other C, E	778	643	57	53	49	46	618	-8.6
INVENTORIES								
Wood Pulp at Pulp Mills A	130	107	115	131	126	139	139	12.5
Market Pulp at Pulp Mills A	187	132	143	160	179	190	190	15.1
Mkt Pulp at Ppr.& Bd. Mills CE	435	426	447	471	482	490	490	8.4
Waste Ppr.at Ppr.&Bd. Mills (4)	740	798	756	818	786	822	822	0.5
Rags, Straw and Other at Paper and Board Mills C, E	66	61	57	57	58	55	55	-30.4
Mkt Wood Pulp Days of Supply A	44	38	39	43	53	55	55	35.7
Wood Pulp Consumption at at Non-Paper Mills C, E	884	909	73	70	68	65	843	-8.2

A - Pulp & Raw Materials Group, API; C - Bureau of the Census; E - Most Recent Month Estimated by API
P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons
(2) Excludes consumption of defibrated & exploded pulp for hard pressed bd.(000 tons): 1978 - 1,666; 1979 - 1,593
(3) Census Waste Paper Consumption, (000 tons): 1978 - 12,481; 1979 - 12,962; Jan-May '80 A.R. - 12,602
(4) Census data prior to 1979; more recent data are from the Paper Stock Conservation Committee, A.P.I.

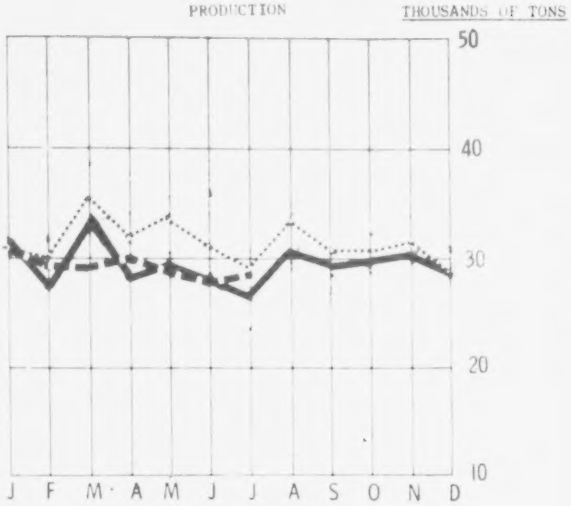
BLEACHED BRISTOLS

PRODUCTION



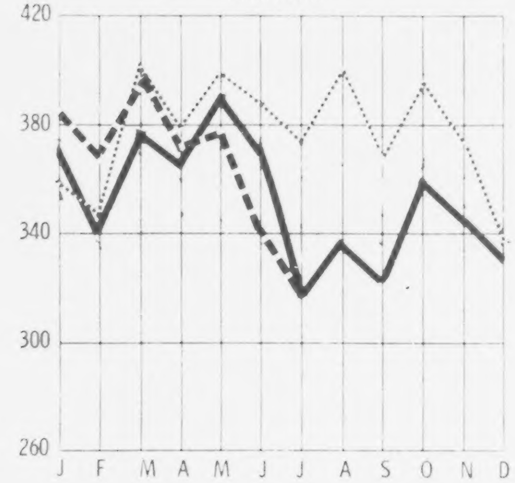
THIN PAPERS

PRODUCTION



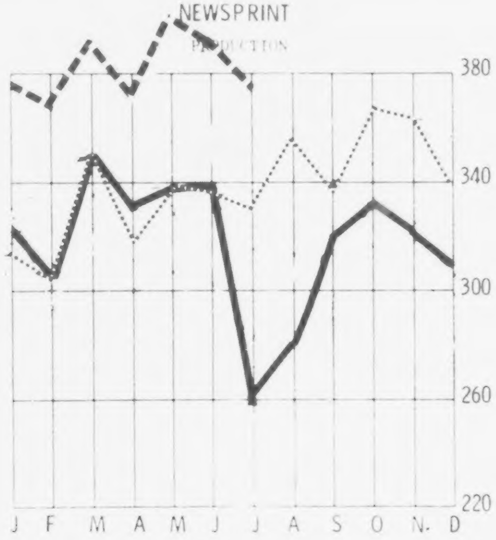
TISSUE PAPER

PRODUCTION



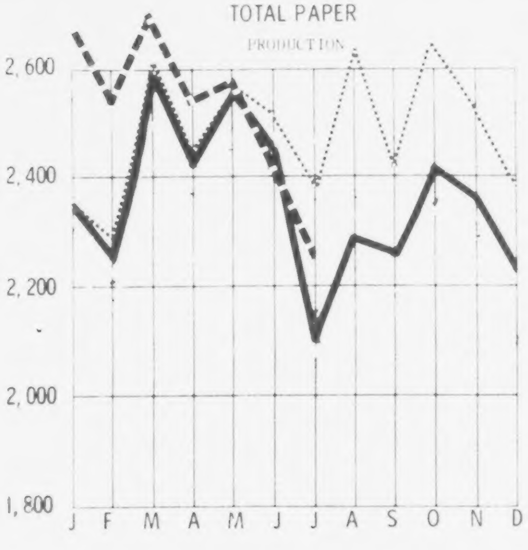
NEWSPRINT

PRODUCTION



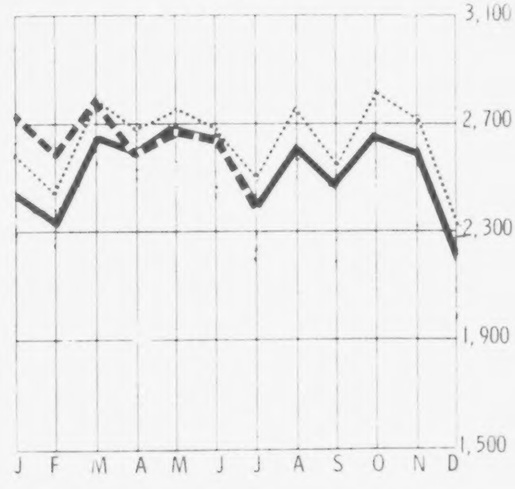
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1978 ——— 1979 ······· 1980 — — —

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic foot) Cords)

PULPWOOD		YEAR 1978	YEAR 1979	MARCH 1980	APRIL 1980	MAY 1980	JUNE 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Total U.S.	- Total Receipts	77025	78625	6895	6677	6790	7365	83258	9.1
	- Total Consumpt.	77290	79566	7044	6762	6811	6969	82246	2.5
	- Residues *	30369	30015	2491	2294	2404	2651	29216	-3.0
	- Inventories	6244	5506	5555	5464	5425	5715	5715	24.3
So. Atlantic	- Total Receipts	25353	26126	2209	2274	2349	2426	27402	6.3
	- Total Consumpt	25204	26523	2388	2253	2267	2340	27606	4.1
	- Residues *	8513	8858	760	722	730	766	8804	-1.1
	- Inventories	1191	1052	823	850	958	1049	1049	14.9
Northeast	- Total Receipts	6664	7461	666	508	509	625	7760	5.8
	- Total Consumpt	6607	7584	682	659	622	611	7778	-0.5
	- Residues *	1662	1670	146	150	143	130	1682	-2.4
	- Inventories	770	674	865	706	587	598	598	3.5
South Central	- Total Receipts	25572	26654	2202	2220	2194	2439	27058	3.6
	- Total Consumpt	25678	26432	2289	2209	2335	2333	27224	0.5
	- Residues *	8418	8669	662	556	569	670	7676	-15.7
	- Inventories	1194	1472	1400	1404	1268	1347	1347	61.1
North Central	- Total Receipts	5291	5630	558	360	407	400	5986	16.1
	- Total Consumpt	5330	5535	449	448	461	441	5408	-6.2
	- Residues *	1456	1501	112	124	114	107	1416	-1.3
	- Inventories	968	993	1436	1325	1255	1214	1214	93.6
West	- Total Receipts	14145	12754	1260	1315	1331	1475	15052	26.1
	- Total Consumpt	14471	13492	1236	1193	1126	1244	14230	9.1
	- Residues *	10320	9317	811	742	848	978	9638	7.5
	- Inventories	2121	1315	1031	1179	1357	1507	1507	-8.4

* - Consumption of Residues in Cord Equivalents.
SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 1979 Tons	YEAR 1979 $000	MAY 1980 Tons	MAY 1980 $000	JUNE 1980 Tons	JUNE 1980 $000	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206050	8867	8909	414	11083	677	180650	-2.9
Pulpwood Chips	1527734	30440	186997	4683	185039	4637	1793938	20.7
Wood Pulp, Total	4143944	1404354	346607	145691	316694	134561	4093332	-3.4
Waste Fibrous Materials, Total	104358	16281	10965	2228	8483	1513	129826	33.0
Paper,Paperboard&Products,Total	8501966	2779223	723864	268063	734166	270639	8864713	4.5
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd. *	8457803	2725085	718815	261820	729915	265160	8802172	4.3
Paper, Total	8015574	2642945	674096	253146	683696	256142	8225958	2.6
Newsprint	7077209	2249470	621990	227843	630254	229470	7536462	6.4
Printing,Writing & Rel.Pap.	799968	323175	45975	21685	47406	23112	598827	-24.0
Pack. & Ind. Conv. Paper	118815	57854	5464	3059	5627	3209	82661	-33.8
Special Industrial Paper	2544	2967	197	275	110	159	1382	-31.4
Tissue Paper	17039	9479	470	283	299	192	6626	-58.7
Paperboard, Total	80636	17653	11635	3264	9646	2714	116250	55.4
Wet Machine Board	1522	703	80	44	117	57	1620	0.4
Construction Paper and Bd. *	360071	63784	33004	5366	36456	6247	458344	31.3
Convtd Paper&Paperbd Products	44163	54138	5048	6243	4251	5479	62540	47.9

EXPORTS TO CANADA

	YEAR 1979 Tons	YEAR 1979 $000	MAY 1980 Tons	MAY 1980 $000	JUNE 1980 Tons	JUNE 1980 $000	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	263367	11446	9203	472	15448	862	150070	-57.9
Pulpwood Chips	87790	3790	2461	113	1993	81	25338	-73.9
Wood Pulp, Total	136641	49608	16897	5047	16984	4170	186854	47.0
Cotton Pulp & Other Pulp	7921	3728	2267	1129	573	322	13936	50.2
Waste Paper	478477	50207	44219	4801	36699	4174	538180	30.9
Paper,Paperboard&Products,Total	624928	353202	48090	32283	43313	30441	605822	-3.4
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board *	454029	248403	34692	21864	30392	20478	433334	-6.6
Paper, Total	181451	142407	20163	15029	15811	13656	214945	20.6
Newsprint	2803	1734	152	128	143	115	1844	-47.9
Printing,Writing & Rel.Pap.	108290	76567	8495	7285	9340	7269	112063	3.1
Pack. & Ind. Conv. Paper	16084	10108	1235	857	1008	1048	15287	-2.8
Special Industrial Paper	46773	48173	9626	6266	4594	4566	79222	92.9
Tissue	7502	5825	655	494	726	658	6529	-29.3
Paperboard, Total	230904	83021	11434	5435	12388	5714	183393	-22.8
Wet Machine Board	5262	9916	373	209	356	201	4002	-30.8
Construction Pap. & Bd. E *	36411	13059	2721	1191	1838	907	30993	-26.7
Convtd Paper&Paperbd Products	170900	104799	13398	10419	12921	9964	172489	5.7

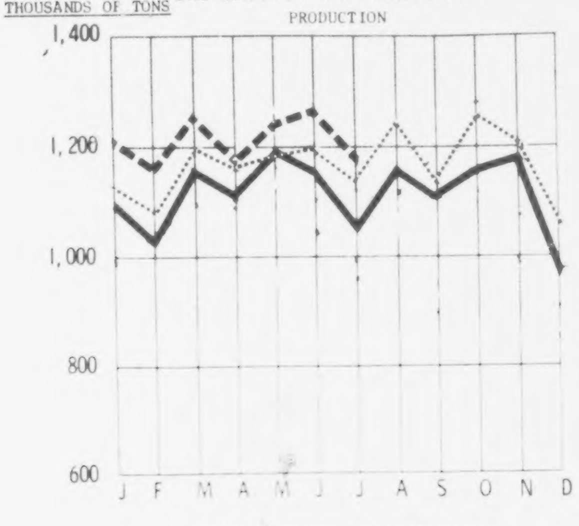
* - Hard Pressed Board (not in total)

	YEAR 1979 Tons	YEAR 1979 $000	MAY 1980 Tons	MAY 1980 $000	JUNE 1980 Tons	JUNE 1980 $000	Annual Rate Y-T-D 1980	% Change from same Period Last Year
Imports of Hard Pressed Bd.	29771	5370	2694	499	3352	596	39490	80.5
Exports of Hard Pressed Bd.	20535	6878	1500	501	1829	685	20000	-16.1

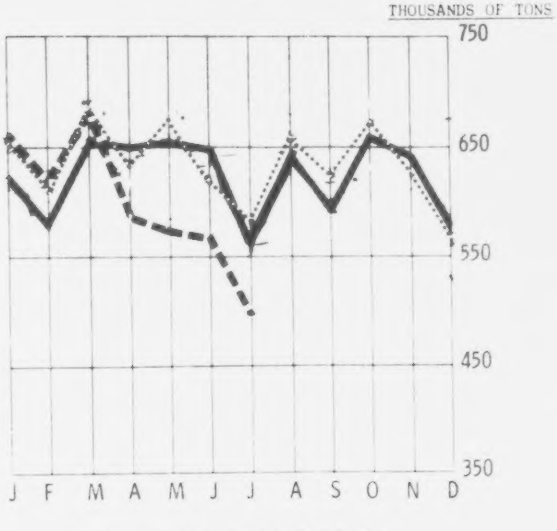
SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

UNBLEACHED KRAFT LINERBOARD

PRODUCTION

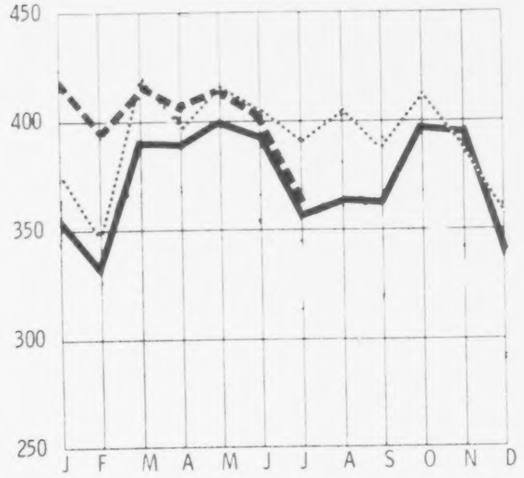


RECYCLED PAPERBOARD



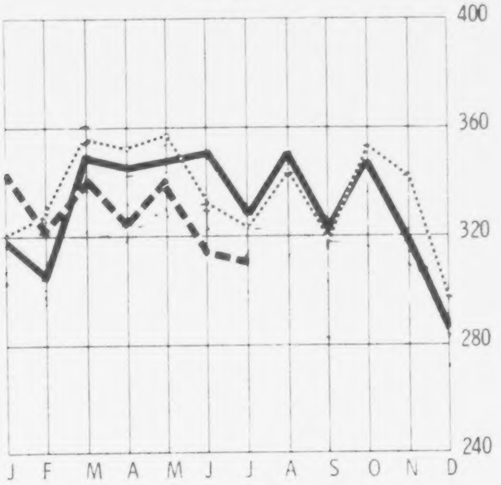
SEMI-CHEMICAL PAPERBOARD

PRODUCTION



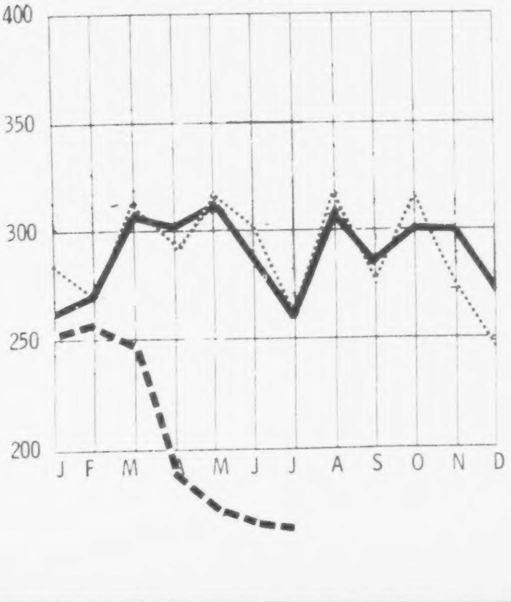
SOLID BLEACHED PAPERBOARD

PRODUCTION



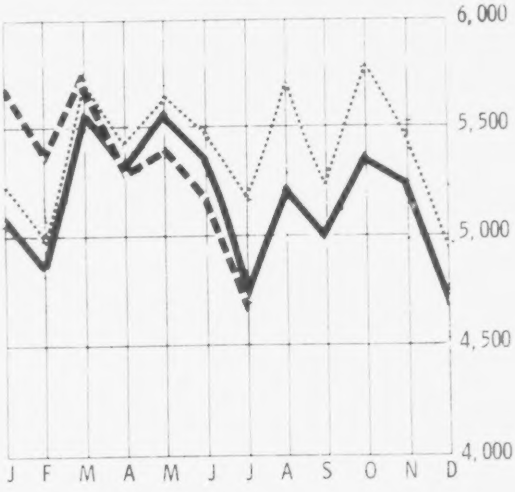
WET MACHINE BOARD AND BUILDING PAPER AND BOARD

PRODUCTION



TOTAL PAPER AND BOARD

PRODUCTION



1978 ▬▬▬ 1979 .... 1980 ▬ ▬ ▬

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1979 Tons	YEAR 1979 $000	MAY 1980 Tons	MAY 1980 $000	JUNE 1980 Tons	JUNE 1980 $000	(1) Annual Rate Y-T-D 1980	% Change from same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	206074	8869	8912	414	11063	677	180616	-2.9
Pulpwood Chips	1574763	33413	186997	4683	185194	4639	1794272	13.5
Total All Imports	13562756	4697532	1152583	466688	1125394	446782	13811421	1.2
Wood Pulp, Total	4317522	1465169	372927	156463	335816	140787	4333730	-0.9
Waste Paper	78395	11189	2508	2747	6790	1313	51268	-26.7
Other Fibrous Materials	43640	13149	3204	1069	2615	1030	42354	-11.9
Paper, Paperbd&Products, Total	9123200	3208025	773944	306410	780174	303652	9384069	2.5
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	9027147	2984896	764725	283280	771432	281033	9274394	2.3
Paper, Total	8559717	2896106	717694	274066	723157	271647	8670675	0.6
Newsprint	7222701	2300450	647834	238571	640660	233815	7693866	6.4
Printing & Writing	1178507	511722	63334	31232	76168	33919	878254	-27.7
Uncoated Groundwood	804596	295996	41889	17832	50859	18058	576670	-28.0
Uncoated Book	142674	69291	11445	6298	14243	7667	131589	-23.1
Coated Print. & Impres. Pap	188846	108590	8756	5166	9730	5886	144745	-29.4
Bristols	2247	1243	72	59	17	18	1684	-11.9
Writing and Similar Paper	25220	24547	667	1181	940	1849	16255	-32.9
Thin (except Cigarette)	14924	12057	506	697	379	441	7311	-41.6
Total Pkg & Other Paper	141196	74212	6055	3972	6024	3706	91648	-40.4
Unbleached Kraft Paper	66816	24551	3692	1646	2820	1223	38564	-49.7
Other Pkg. & Indust. Paper	74380	49661	2363	2326	3204	2483	53083	-31.3
Tissue	17312	9722	471	290	305	207	6907	-58.3
Paperboard, Total	82203	19111	11737	3413	9670	2735	117055	54.4
Test or Containerboard	25725	6021	5712	1620	5239	1443	56941	193.8
Semi-Chemical Corrugating	33494	5889	3648	739	2044	418	34099	-1.0
Other Paperboard	22984	7201	2378	1054	2387	875	26015	18.3
Wet Machine Board	2345	1341	129	77	154	98	2328	-7.3
Construction Paper & Bd. *	382883	68338	35166	5724	38452	6553	484337	31.2
Building Paper	330147	56768	32545	5086	35962	5989	446390	39.8
Insulating Board	21682	4664	1350	346	1477	341	16875	-26.1
Other Building Board	31054	6906	1271	292	1013	224	21072	-22.3
Convtd Paper&Paperbd Products	96053	223129	9219	23130	8742	22618	109675	19.2
Paper Products, Total	90246	211682	8543	21808	8181	21411	103507	18.9
Paperboard Products, Total	5807	11447	676	1322	556	1207	6168	23.9
Notes								
Other: No Weight Avail. ($000)		82849		6559		7366	73546	-8.8
Total Imports Incl. Other($000)		4780381		473247		454148	5429524	17.0

EXPORTS

							(1)	
Pulpwood, Roundwood (in cords of 128 cu. ft.)	263721	11473	9303	476	16248	892	165540	-53.7
Pulpwood Chips	4498674	197847	451161	32279	439761	37889	4606122	10.6
Total All Exports	8971708	3348409	911453	382280	1080056	450721	11285432	34.2
Wood Pulp, Total	2934815	1103783	317312	132614	361990	157092	3683936	39.1
Cotton Pulp and Other Pulp	131444	74579	18100	10331	17683	11869	183540	35.6
Waste and Old Paper	2233246	256107	218878	27463	253399	35043	2882454	38.2
Paper, Paperbd&Products, Total	3672203	1913940	357163	211872	446983	246718	4535502	28.1
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	3109859	1328320	303663	148839	392294	179435	3887562	29.7
Paper, Total	600874	507569	77377	61584	63095	56187	774990	36.5
Newsprint	71456	32046	18977	8826	6715	3508	127659	143.4
Printing & Writing	274608	233371	22771	23108	28350	24735	292437	5.1
Uncoated Groundwood	80392	55384	6383	5019	10662	6970	82865	-0.8
Clay Coated Paper	73521	57743	6816	5943	6353	5380	81068	13.4
Uncoated Free Sheet	68159	64146	6252	7691	6922	7599	72744	3.9
Other Printing & Writing	52536	56098	3321	4456	4413	4787	55760	5.0
Total Pkg. & Other Paper	226906	218218	29347	24314	21619	21787	297784	42.0
Unbleached Kraft	63695	27079	9981	4408	9069	4032	115277	113.2
Other Pkg. & Indust. Paper	163211	191138	19366	19906	12550	17755	182507	17.3
Tissue	27905	23934	6283	5336	6411	6157	57110	107.8
Paperboard, Total	2446972	789902	220828	84459	323856	120362	3044052	28.8
Solid Wood Pulp	2271161	712276	210312	78935	307573	111592	2868747	31.6
Total Linerboard	1644901	434515	149668	48517	240620	78877	2081200	32.4
Bleached Kraft Linerboard	179995	51186	14022	5005	21018	7459	195554	0.9
Unbleached Kraft Linerbd	1464906	383330	135646	43512	219602	71418	1885646	36.8
Other Unbleached Kraft	100301	33739	6863	3020	14498	5866	173891	85.5
Other Bleached Kraft	508601	238813	53118	27112	49990	26067	596105	19.3
Semi-Chemical Corrugating	17358	5208	662	286	2464	781	17551	17.8
Recycled Paperboard	175811	77626	10517	5525	16284	8770	175305	-4.4
Wet Machine Board	7371	5146	727	418	570	412	7373	-12.8
Construction Paper & Bd. *	54642	25704	4730	2377	4773	2474	61148	4.5
Building Paper	34020	14420	2025	970	2997	1336	28762	-21.8
Insulating Board E	20623	11284	2706	1408	1776	1138	32385	49.2
Convtd Paper&Paperbd Products	562343	585620	53500	63033	54690	67283	647939	19.6
Paper Products, Total	332407	427080	35083	47089	35037	50331	403979	28.3
Paperboard Products, Total	229936	158540	18417	15944	19652	16952	243961	7.6
Notes								
Other: No Weight Avail. ($000)		9803		854		999	11417	53.2
Total Exports Incl. Other($000)		3358212		383134		451721	4468826	45.5

* Hard Pressed Board (not in total)								
Imports of Hard Pressed Board	262229	39607	18437	3585	16143	2886	190604	-25.9
Exports of Hard Pressed Board	32030	11223	2237	779	2136	821	27742	-13.7

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PAPER AND PAPERBOARD PRODUCTION

CENSUS DATA

(Thousands of Tons)

	YEAR 1978	1979	FEB. 1980	MARCH 1980	APRIL 1980	MAY 1980	Annual Rate Y-T-D 1980	% Change from same Period Last Year
					R	P		
PAPER								
Newsprint	3489	3797	370	377	381	390	4576	24.4
Uncoated Groundwood Papers	1569	1674	112	126	122	126	1457	-12.5
Coated Papers	4513	4675	379	416	394	382	4784	3.5
Uncoated Free Sheet (1)	7315	7508	658	705	674	687	8193	10.0
Cotton Fiber Paper (1)	119	127	12	10	11	10	133	-0.2
Thin Papers	350	376	29	31	30	28	359	-7.1
Bleached Bristols	1127	1114	86	89	86	92	1078	-4.1
Tissue Paper	4245	4310	353	375	367	359	4392	2.3
Unbleached Kraft Packaging & Industrial Conv. Papers(1)	3873	3923	344	330	318	325	3983	4.0
Other Paper (1)	1905	1791	158	152	141	133	1815	4.1
TOTAL PAPER GRADES	28505	29295	2501	2609	2523	2531	30770	6.4
PAPERBOARD								
Solid Wood Pulp Furnish	22500	22833	1921	2101	1921	2023	24013	6.2
Unbleached Kraft Linerboard	13215	13685	1134	1258	1143	1204	14239	4.6
Other Unbl. Kraft Paperboard	898	1014	84	116	91	89	1130	8.9
Bleached Kraft Paperboard	4002	3934	326	343	327	377	4134	8.5
Semi-Chemical Paperboard	4384	4200	377	384	360	354	4509	8.8
Recycled Paperboard	7534	7240	630	647	576	547	7309	0.3
TOTAL PAPERBOARD GRADES	30034	30073	2551	2748	2497	2570	31322	4.0
WET MACHINE BOARD	136	144	12	13	10	8	136	3.7
CONSTR. PAPER & INSUL. BOARD	3332	3322	245	235	176	159	2527	-25.5
TOTAL ALL GRADES [Excl. H.P.B.]*	62006	62834	5310	5605	5207	5268	64754	3.9

PRODUCER PRICE INDEXES

1967 = 100

	1978	1979	APRIL	MAY	JUNE	JULY		
Pulp, Paper and Product	195.6	219.0	246.5	248.9	251.3	252.4	245.5	15.0
Pulp, Paper & Products, except Waste Paper ⧫	195.6	219.2	246.7	249.3	251.1	253.4	245.8	15.1
Total Wood Pulp	266.5	314.3	386.8	388.0	388.0	388.6	374.5	23.0
Total Paper	206.1	229.6	253.6	256.5	258.3	258.5	252.8	13.9
Total Paper, exc. Newsprint	199.4	222.8	248.5	249.5	249.9	250.1	245.7	12.[illegible]
Newsprint	226.3	249.9	269.4	277.6	283.7	283.7	274.7	12.5
Total Paperboard	179.6	202.1	230.2	239.2	242.7	237.5	231.8	10.4
Total Paper and Paperboard ⧫	197.8	220.9	246.3	251.1	253.4	251.9	246.2	14.3
Converted Products	186.5	209.9	234.6	236.1	239.3	242.4	234.7	14.0
Waste Paper	191.2	206.6	242.5	216.1	206.6	194.4	220.1	16.7
All Commodities	209.3	235.5	262.3	263.7	265.2	269.8	262.6	14.8
Industrial Commodities	209.4	236.4	270.7	271.2	273.0	275.6	269.4	17.9

(1) - Grade definitions revised by Census as of January 1979. New grades now consistent with API definitions. 1977 and 1978 Census data adjusted by API for comparability with 1979.

* See page 3 for Hard Pressed Board data. ⧫ Computed by API P-Preliminary R-Revised

SOURCES: Production - Bureau of Census, U.S. Department of Commerce
Producer Price Indexes Bureau of Labor Statistics, U.S. Department of Labor

Continued from Page 2

Paper and paperboard production trends are consistent with trends in their end-use markets. For example, in home goods appliances, important markets for corrugated shipping containers, production moved sharply downward during the second quarter and showed a further decline in July. At the same time, production of non-durable goods, which include some of the largest markets for containerboard and boxboard, have been following a mildly declining trend during the past four months or so. Total economic activity, as measured by the gross national product, which fell at an annual rate of about 9% a year in the second quarter, appears to be moderating based upon the better performance of retail sales in recent months.

The construction grades of paper were, of course, affected by the extremely low levels of residential construction activity. The recent increases in housing starts give some promise of future increases in demand for these grades of paper and paperboard. There is some concern, however, that newly rising levels of interest rates may choke off the incipient increase in residential construction.

The table on page 3 shows that the average rate of production of total paper and paperboard and construction grades in the first seven months of 1980 was 63.6 million tons per year, only about 1-½% below the record high of 64.6 million tons produced in all of 1979. However, the June-July 1980 seasonally adjusted average rate of production was only 61.5 million tons per year. Even this rate compares favorably with the 62.1 million tons produced in the then record year of 1978.

New Supply

Imports of paper, paperboard and products fell 2% from the first to second quarters of 1980, while exports rose 15%. The rate of new supply (production plus imports less exports) of paper and board in the second quarter of 1980 was 66.8 million tons per year, 6% below the first quarter record high rate of 71.3 million tons per year, and 4.6% below the 1979 level.

Continued on Page 12

Continued from Page 11

The second quarter 1980 rate of total paper and paperboard new supply appears to have been a little below requirements by paper and paperboard consumers.

The ratio of paper and board new supply to total economic activity, as measured by the real gross national product, was 47.3 thousand tons per billion dollars of real GNP in the second quarter of 1980. During the four year period covering 1976 through 1979 the ratio of new supply of paper and paperboard to real GNP averaged 48.5 thousand tons per billion dollars. This suggests that at 48.5 thousand tons per billion dollars of real GNP, new supply is in balance with requirements of the final consumer. When adjustment is made for the build-up in newsprint inventories, the new supply in the second quarter may have been a little less than the indicated use.

Similarly, a comparison of new supply to production of non-durable consumer goods, a major market for paper and paperboard packaging, shows the average level of the ratio in the second quarter of 1980 about 4% below the average of this ratio for 1979 as a whole and 3% below the 1978 average.

[illegible]

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

AUGUST 25, 1980

	PRODUCTION (000 TONS)					
	July 1980	June 1980	July 1979	Jan - July 1980	Jan - July 1979	% Change 80/79
PAPER GRADES	P	R				
Newsprint	376	393	332	2688	2298	17.0
Uncoated Groundwood (s)	118	127	124	883	865	2.1
Coated Paper (s)	345	364	362	2688	2598	3.5
Uncoated Free Sheet Paper (s)	577	648	612	4705	4501	4.5
Thin Paper (c)	28	27	29	204	222	-7.8
Cotton Fiber Paper (s)	8	9	9	73	72	1.2
Bleached Bristols (s)	76	78	83	590	597	-1.3
Tissue Paper	320	341	371	2562	2634	-2.7
Unbleached Kraft Packaging & Indl. Converting (s)	290	299	319	2252	2305	-2.3
Other Paper (c)	115	130	137	1001	1017	-1.5
TOTAL PAPER	2253	2416	2377	17646	17108	3.1
PAPERBOARD GRADES						
Kraft Linerboard, Unbleached	1176	1258	1139	8446	8056	4.8
Other Kraft Paperboard	69	84	95	624	747	-16.5
Semichemical Paperboard	362	401	389	2822	2742	2.9
Bleached Paperboard	309	314	323	2306	2363	-2.4
Recycled Paperboard	497	562	566	4125	4434	-7.0
TOTAL PAPERBOARD	2414	2619	2512	18323	18342	-0.1
CONSTRUCTION & WET MACH GRADES(c)	161	162	261	1432	2032	-29.5
TOTAL PAPER AND PAPERBOARD	4828	5197	5151	37401	37482	-0.2
HARD PRESSED BD.[not in total](c)	115	110	188	911	1238	-26.4

WOOD PULP (ALL GRADES)	June 1980	May 1980	June 1979	Jan - June 1980	Jan - June 1979	% Change 80/79
Dissolving & Special Alpha	126	138	136	801	713	12.4
Bleached Sulphite	122	127	121	729	655	11.3
Unbleached Sulphite	34	34	34	199	200	-0.7
Bleached & Semi-Bl. Sulph.	1558	1672	1531	9688	8987	7.8
Unbleached Sulphate	1727	1731	1755	10248	10023	2.2
Semichemical	342	351	352	2087	2020	3.3
Groundwood and Thermo-Mechanical	386	395	362	2272	2181	4.2
TOTAL PULP DIVISION DATA	4295	4447	4291	26024	24780	5.0
Defib. Exploded & Scrngs E	148	160	247	1085	1511	-28.2
TOTAL WOOD PULP PRODUCTION	4443	4607	4538	27109	26291	3.1

Note: Paperboard cumulative totals include revisions not available monthly.

(s) - Shipments   R - Revised   E - Estimate   NC - Not comparable
P - Preliminary   (c) - Census Data - Production, last 2 months estimated.

August 29, 1980

	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			1980				
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1978	1979	May	June	July		
Total Production (API).......: :...	62109	64555	5391	5197	4828	64116	-0.2
Total Seasonally Adjusted....: excluding :...			5165	5233	5021	63646	-0.7
Imports (including Products).:hard pressed:..E	9117	9123	774	780	775	9372	2.7
Exports (including Products).: board :..E	3373	3672	357	447	430	4625	30.7
Apparent Consumption.........: :...	67854a	70006Rb	5581	5566	5366	68393c	-1.8
Paper Production % Tonnage Capacity...........	93.1Rg	95.2g	91.4	88.7	79.2	93.4gh	-
Paperboard Production % Tonnage Capacity......	92.8g	94.2g	90.7	92.5	81.6	92.0g	-
			April	May	June		
MARKET WOOD PULP PRODUCTION - Tons (000).........	5126	5667	543	572	547	6548	21.7
TOTAL WOOD PULP PRODUCTION - Tons (000)..(f)....	47228	49743	4243	4447	4295	52047	5.0
WOOD PULP IMPORTS - TONS (000)..................	4025	4318	320	373	336	4334	-0.9
WOOD PULP EXPORTS - TONS (000)..................	2599	2935	360	317	362	3684	39.1
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS			April	May	June		
Wood Pulp..(k)...............................	47911	50156	4070	4352	4133	50982	1.5
Waste Paper....(d)...........................	14760	15400	1157	1185	1109	14614	-0.6
Other (Census)..............................E	778	643	53	49	46	618	-8.6
Total.................	63449	66199	5281	5586	5288	66214	0.9
..WOOD PULP - NON PAPER........................E	884	909	70	68	65	843	-8.2
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	77290	79566	6762	6811	6969	82246	2.5
EMPLOYMENT (000)			May	June	July		
Paper and Allied Products..........Total......	700.9	706.7	692.4	694.6	676.8	695.7	-1.2
Pulp, Paper and Board Mills........Total.....E	267.4	271.7	267.7	270.7	263.0	269.0	-0.5
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....................	6.52	7.12	7.65	7.77	8.00	7.65	10.2
Pulp, Paper Mills...........................E	7.44	8.26	8.84	8.97	9.15	8.86	10.7
Paperboard Mills............................E	7.60	8.38	9.04	9.13	9.30	9.01	10.5
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1979 Q4	1980 Q1	1980 Q2		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	3.46	4.88	5.23	5.91	5.97	6.04y	23.8
INDEX OF OUTPUT PER MAN-HOUR (1967=100)..........			May	June	July		
:IN PULP, PAPER :...Production Workers.......RS	159.2	163.9	165.9	164.2	163.2	166.8	2.4
:AND BOARD MILLS:...All Employees............RS	153.5	157.8	158.0	156.7	155.6	159.6	1.7
PAPER AND ALLIED PRODUCTS (Million $)			April	May	June		
Industry Shipments (Dept. of Commerce)*.......	57654	66033	5834	5649	5665	69870	8.2
Pulp, Paper and Paperboard*................	25343	30165	2758	2661	2747	32896	12.3
Inventories (End of Period) - Total Industry*.	5875	6779	7416	7479	7612	7612	20.0
Pulp, Paper and Paperboard*................	2006	2321	2533	2604	2670	2670	27.8
			1979 Q3	1979 Q4	1980 Q1		
Sales (Corporations Only, FTC)................	48982	55359	14133	14401	14682	58728	13.0
Earnings (Corporations Only, FTC).............	2598	3724	1162	778	795	3180	-8.3
Depreciation (Corporations Only, FTC).........	1726	1896	481	489	504	2016	12.8
Net Worth (Corporations Only, FTC)............	20794	23206	22688	23206	24002	24002	12.8
PRICE INDEXES (Bureau of Labor Stats)1967=100			May	June	July		
Total Pulp, Paper and Allied Products.........	195.6	219.0	248.9	251.3	252.4	245.5	15.0
Wood Pulp.....................................	256.5	314.3	388.0	388.0	388.6	374.5	23.8
Waste Paper...................................	191.2	206.6	226.1	206.6	194.4	220.1	8.7
Paper...	206.1	229.6	256.5	258.3	258.5	252.8	12.6
Paperboard....................................	179.6	202.1	239.2	242.7	237.5	231.8	18.4
PAPER DEMAND (INDEXED: 1967=100)			May	June	July		
Total Paper Production *......................	135.6	141.7	144.1	140.0	135.6	143.7	2.6
Paper New Supply *..........................	132.9	137.2	137.8	135.5	132.0	138.4	1.6
Total End - Use Index *.....................	139.5	144.5	142.0	140.6	139.8	143.7	-0.4
Production of Nondurable Goods *...(19%)..	157.0	163.3	157.9	154.1	151.2	160.1	-1.5
Disposable Income (Constant $) *...(23%)..	145.2	148.5	146.7	146.6	148.2	148.0	-0.4
Total Printing and Publishing *...(58%)..	131.5	136.8	135.0	133.8	132.7	136.6	-0.0
Trend Factor	-------------------	-------------------	----------Not	Available----------	-------------------	-------------------	-------------------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *................	132.8	137.9	131.1	138.4	131.1	136.2	-0.6
Production for Domestic Use	131.1	135.5	125.4	129.8	121.1	130.6	-3.2
Total End - Use Index *.....................	147.7	151.6	143.4	140.7	138.6	145.9	-4.1
Production of Consumer Goods *...(60.49%)	149.1	150.3	142.4	141.0	139.4	144.6	-4.4
Production of Equipment *...(6.62%)	132.8	142.1	143.9	141.5	139.9	144.0	2.0
Production of Materials *...(32.89%)	148.3	156.0	145.0	139.9	137.0	148.7	-4.6
Trend Factor	-------------------	-------------------	----------Not	Available----------	-------------------	-------------------	-------------------
NEWSPRINT MARKETS			April	May	June		
Consumption by Publishers - Tons (000).........	10872	11240	934	946	894	10977	-0.5
Newspaper Pub. and Printing Empl. Total(000)..	407.4	423.0	430.9	431.1	433.4	431.5	3.0
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	115090	116969	10328	11034	9308	114410	3.7
WHOLESALERS SALES AND INVENTORIES (Million $)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	17586	19721	1783	1762	1731	21372	11.3
Inventories (End of Period)	1482	1695	1768	1777	1770	1770	9.5
Paper Only..............................Sales	13078	14788	1327	1317	1284	15804	9.6
Inventories (End of Period)	1025	1141	1201	1196	1203	1203	10.4
RETAIL TRADE (Million $)			May	June	July		
Total Retail Sales *..........................	799054	884407	74587	75602	77125	919399	6.5
Nondurable Goods Stores Sales *...............	518190	576882	52050	52517	52935	627000	12.0
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	146.1	152.1	144.3	141.0	138.8	147.0	-3.4
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	209.3	235.5	263.7	265.2	269.8	262.6	14.6
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	195.4	217.4	244.9	247.6	247.8	241.7	14.2
			April	May	June		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	275.6	311.3	306.1	303.8	301.4	301.4	3.3
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1979 Q4	1980 Q1	1980 Q2		
G.N.P. or Expenditure - Current $.............	2127.6	2368.8	2456.9	2520.8	2524.6	2522.7	9.2
G.N.P. OR Expenditure - 1972 $................	1399.2	1431.6	1440.3	1444.7	1410.9	1427.8	0.1

lb/capita	Popul.(mil)
.a - 621	218.7
.b - 635	220.6
.c - 618	222.2

.d - 1977 - 12103; 1978 - 12481
. 1979 12956;Jn-My'80A.R.12602
. (000 tons) as pub. by Census
.E - Last month estimated by API

f - Wood Pulp Production excludes estimates for def. expl. & scrngs. Prod. was: 1978 - 3,140; 1979 - 3,018; 1980 A.R.Y-T-D 2,170 (000 tons)
g - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
k - Excludes consumption of defib. & expl. pulp for hard p. bd.: '78 - 1,666; '79 - 1,593 (000 tons)

N.A. - Not Available
P - Preliminary
Q - Quarter
R - Revised
RS - Revised Series
y - Full year estimated by U.S. Dept. of Commerce
* - Seasonally adjusted